

**NOT MEASUREMENT
SENSITIVE**

**MIL-STD-2549
30 June 1997**

**DEPARTMENT OF DEFENSE
INTERFACE STANDARD**

**CONFIGURATION MANAGEMENT
DATA INTERFACE**



AMSC D7235

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FOREWORD

1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense (DoD). This standard cannot be cited in a contract without citing the specific data information subpackets. If this standard is cited as a whole without citing specific data information subpackets, the contractor is not required to comply with this standard.

2. This standard is the result of joint efforts of the military services and industry. The goal of this document is to establish a standard interface for the delivery of, or access to, electronic configuration management data. MIL-STD-973 accommodates digital configuration management data, but because it does not standardize data at the data element level, it does not enable sharing of digital data. In order to allow for the efficient transition to the shared integrated digital data environment described by this standard, MIL-STD-973 will remain in effect temporarily.

3. This standard is based on sound configuration management principles. The data interface described in this document is established through specification of a standard relational data base conceptual schema (business rules view), intentionally structured to accommodate the maximum range of data potentially required by the services for configuration management of their materiel and its supporting technical data. This standard presents the data element relationships needed to allow both services and contractors to exchange all required configuration management information and product data, either directly or through an appropriate integrated data environment. This approach standardizes field lengths and data element definitions (DEDs) and establishes "one face to industry" for DoD-required configuration management data.

4. This standard is directed toward improving the cost effectiveness of the generation, maintenance, acquisition, and use of the technical data required to support a configuration management program. This is accomplished through the following:

- a. Standardization of the configuration management DEDs, field lengths, and formats between the services and industry.
- b. Consolidation of configuration management information into a defined virtual repository environment to reduce redundancy, facilitate timely access, and ensure consistency between the various user elements.
- c. Maximum utilization of industry developed integrated data systems tied to engineering, manufacturing, and product support data bases as sources of configuration management related data and documentation.
- d. Harmonization of configuration management data elements with other DoD, national, and international standards.

5. This standard does not prescribe automated information system software that must be used to process configuration management data.

6. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Director, CALS, 5203 Leesburg Pike, Suite 1609, Falls Church, VA 22041-3466, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by electronic mail to: burghels@acq.osd.mil.

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1. SCOPE

1.1. Scope. This document establishes a standard interface for the delivery of, or access to, electronic configuration management data. This interface prescribes the data elements, the data element definitions, and the data element relationships that define the conceptual schema for configuration management data. These interface requirements have been subdivided into data information packets to support various configuration management needs.

1.2. Applicability. This standard applies to all activities responsible for procuring, recording, maintaining, and disseminating configuration management information.

1.3. Tailoring of requirements. The interface requirements of this standard are applicable only to the extent that selected portions of specific data information packets are needed to support the configuration management data requirements identified in a tasking directive or contract statement of work (SOW). This standard shall not be cited in its entirety. Furthermore, this standard cannot be referenced in a tasking directive or contract SOW to assign configuration management tasks. If either of these conditions occurs, this standard shall not be binding. The selection of data information packets from this standard will be tailored to suit the life-cycle phase, complexity, size, intended use (including joint and combined interoperability), mission criticality, and logistics support of the system/configuration items (CIs). (See 6.3 for specific tailoring guidance.)

2. APPLICABLE DOCUMENTS

There are no sub-tier documents required for implementation of this document.

3. DEFINITIONS

3.1. Acronyms used in this standard. The acronyms used in this standard are defined as follows:

AA	Application Activity
ABL	Allocated Baseline
ACD	Allocated Configuration Documentation
ACO	Administrative Contracting Officer
AECMA	Association Europeenne des Constructeurs de Materiel Aerospace
AFB	[U.S.] Air Force Base
AFM	[U.S.] Air Force Manual
AFR	[U.S.] Air Force Regulation
AGE	Aerospace Ground Equipment
AIA	Aeronautical Industry Association
AIS	Automated Information System
ALT	Alteration Instruction
AMSDL	Acquisition Management Systems and Data Requirements Control List
ANSI	American National Standards Institute
AR	[U.S.] Army Regulation
ARDEC	[U.S. Army] Armament Research, Development and Engineering Center
ASCII	American Standard Code for Information Interchange
ASTM	American Society for the Testing of Materials
BOM	Bill of Materials
CAGE	Commercial and Government Entity

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CALS	Continuous Acquisition and Life-cycle Support
CCB	Configuration Control Board, Configuration Change Board
CDCA	Current Document Change Authority
CDRL	Contract Data Requirements List
CFR	Code of Federal Regulations
CI	Configuration Item
CITIS	Contractor Integrated Technical Information Service
CLIN	Contract Line Item Number
CM	Configuration Management
CMP	Configuration Management Plan
CNWDI	Critical Nuclear Weapons Design Information
CPIN	Computer Program Identification Number
CRYPTO	Cryptographic information
CSA	Configuration Status Accounting
CSCI	Computer Software Configuration Item
DCMC	[U.S.] Defense Contract Management Command
DDRS	[U.S.] Department of Defense Data Repository System
DED	Data Element Definition
DFAR	[U.S.] Defense Department supplement to the Federal Acquisition Regulation
DID	Data Item Description
DIN	Deutsches Industrie Numer
DIP	Data Information Packet
DLA	[U.S.] Defense Logistics Agency
DoD	[U.S.] Department of Defense
DODISS	[U.S.] Department of Defense Index of Specifications and Standards
DOE	[U.S.] Department of Energy
DOT	[U.S.] Department of Transportation
DTIC	[U.S.] Defense Technical Information Center
ECN	Engineering Change Notice
ECO	Engineering Change Order
ECP	Engineering Change Proposal
ECS	Embedded Computer Software
EDM	Enterprise Data Model
EEPROM	Electronically Erasable Programmable Read-only Memory
EIA	Electronic Industries Association
ELIN	Exhibit Line Item Number
Email	Electronic mail
FBL	Functional Baseline
FCA	Functional Configuration Audit
FCD	Functional Configuration Documentation
FFT	First Flight Test
FSC	[U.S.] Federal Supply Class
FSCM	[U.S.] Federal Supply Code for Manufacturers
GFD	Government-Furnished Documents
GFE	Government-Furnished Equipment
GFP	Government-Furnished Property
GLAA	Government Lead Application Activity
GPLR	Government Purpose License Rights
GPO	Government Printing Office
GSN	Government Serial Number
HEI	High Explosive Incendiary
HTML	Hypertext Mark-up Language
HWCI	Hardware Configuration Item
ICD	Interface Control Drawing, Interface Control Documentation

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ICWG	Interface Control Working Group
IEEE	Institute of Electrical and Electronics Engineering
IFF	Identify Friend or Foe.
IGES	Initial Graphics Exchange Specification
IPT	Integrated Product Team
IRPOD	Individual Repair Part Ordering Data
ISO	International Standardization Organization
MACHALT	Machinery Alteration
MACHALTINST	Machinery Alteration Instruction
MICOM	[U.S. Army] Missile Command
MIL-STD	Military Standard
MIP	Modification Improvement Program
MRB	Material Review Board
MS	Military Standard
MSN	Manufacturer's Serial Number
MWO	Modification Work Order
NAS	[U.S.] National Aerospace Standard
NASA	[U.S.] National Aeronautics & Space Administration
NATO	North Atlantic Treaty Organization
NAVAIR	[U.S.] Naval Air Systems Command
NAVMATINST	[U.S.] Naval Materiel Systems Command Instruction
NAVSEA	[U.S.] Naval Sea Systems Command
NIIN	[U.S.] National Item Identification Number
NIST	[U.S.] National Institute of Standards and Technology
NOR	Notice of Revision
NSA	[U.S.] National Security Agency
NSCM	NATO Supply Code for Manufacturers
NSN	National Stock Number
NTIS	National Technical Information Service
NUCALTINST	Nuclear Alteration Instruction
NWS	[U.S.] Naval Weapons Station
ORDALTINST	Ordnance Alteration Instruction
OSD	[U.S.] Office of the Secretary of Defense
OSHA	[U.S.] Occupational Safety & Health Agency
PAN	Procuring Activity Number
PBL	Product Baseline
PCA	Physical Configuration Audit
PCD	Product Configuration Documentation
PCO	Procurement Contracting Officer
PCTSS	Provisioning & Cataloging Technical Support System
PDM	Product Data Management [System]
PDF	Page Description File
PDR	Preliminary Design Review
PHST	Packaging, Handling, Storage, and Transportation
PIN	Part or Identification Number
POC	Point of Contact
PROM	Programmable Read-only Memory
RAC	Rapid Action Change [order]
RFD	Request For Deviation
SAE	Society of Automotive Engineers
SBIR	Small Business Innovative Research
SCN	Specification Change Notice
SDR	System Design Review
SGML	Standard Generalized Markup Language

SHIPALT	Ship Alteration
SHIPALTINST	Ship Alteration Instruction
SIE	Special Inspection Equipment
SOW	Statement of Work
SSAN	Social Security Account Number
SSR	Software Specification Review
STANAG	Standard NATO Agreement
STEP	Standard for the Exchange of Product data
TA	Tasking Activity
TCTO	Time-compliance Technical Order
TD	Technical Directive
TDP	Technical Data Package
TM	Technical Manual
TOPS	Technical Order Page Supplement
TPS	Test Program Set
U.S.	United States [of America]
USAF	United States Air Force
VDD	[Software] Version Description Document
VECP	Value Engineering Change Proposal
VHSIC	Very High Speed Integrated Circuit
WINTTEL	Warning: Intelligence methods and sources disclosed

3.2. Definitions used in this standard. The definitions used in this standard are defined as follows:

Allocated Baseline (ABL). The approved allocated configuration documentation.

Allocated Configuration Documentation (ACD). The documentation describing a CI's functional, performance, interoperability, and interface requirements that are allocated from those of a system or higher level configuration item; interface requirements with interfacing configuration items; and the verifications required to confirm the achievement of those specified requirements.

Application Activity (AA). An activity which has selected an item or a document for use on programs under its control. However, it is not the current document change authority for the document(s).

Approval. The decision that data is complete and suitable for its intended use. (See also: Application Activity [AA], Contractual acceptance of data, Current Document Change Authority [CDCA].)

Approved data. Approved data is data that has been approved by the appropriate authority (in the context of this standard, the Current Document Change Authority [CDCA]), and is the official (identified) version of the data until replaced by another approved version.

Assembly. A number of basic parts or subassemblies, or any combination thereof, joined together to perform a specific function. Typical examples are: electric generator, audio-frequency amplifier, power supply.

Computer data base. See Data base.

Computer software. See Software.

Computer Software Configuration Item (CSCI). A configuration item that is computer software.

Computer software documentation. Technical data or information, including computer listings, regardless of media, which document the requirements, design, or details of computer software; explain the capabilities and limitations of the software; or provide operating instructions for using or supporting computer software.

Configuration. The performance, functional, and physical attributes of an existing or planned product, or a combination of products.

Configuration audit. See: Functional Configuration Audit (FCA), and Physical Configuration Audit (PCA).

Configuration baseline. See: Allocated Baseline (ABL), Functional Baseline (FBL), and Product Baseline (PBL).

Configuration control. The element of configuration management concerning the systematic proposal, justification, evaluation, coordination, and disposition of proposed changes, and the implementation of all approved/released changes, in the configuration of a CI.

Configuration Control Board (CCB). A board composed of technical and administrative representatives who recommend approval or disapproval of proposed engineering changes to, and proposed deviations from, a CI's current approved configuration documentation.

Configuration documentation. Technical documentation, the primary purpose of which is to identify and define a product's performance, functional, and physical attributes. Several documents might describe the attributes of a product (for example, a specification, an engineering drawing, a technical manual, sales literature.) Of those, only the specification and the engineering drawing are considered configuration documentation because their primary purpose is to define the configuration of the product. Other items of product information are derived using configuration documentation as source material. (See also: Allocated Configuration Documentation [ACD], Functional Configuration Documentation [FCD], and Product Configuration Documentation [PCD].)

Configuration identification. The element of configuration management concerning the selection of CIs; the determination of the types of configuration documentation required for each CI; the issuance of numbers and other identifiers affixed to the CIs and to the technical documentation that defines the CI's configuration; the release of CIs and their associated configuration documentation; and the establishment of configuration baselines for CIs.

Configuration Item (CI). A Configuration Item is any hardware, software, or combination of both that satisfies an end use function and is designated for separate configuration management. Configuration items are typically referred to by an alphanumeric identifier which also serves as the nonchanging base for the assignment of serial numbers to uniquely identify individual units of the CI. (See also: Product-Tracking Base-Identifier.)

Configuration Management (CM). A management process for establishing and maintaining consistency of a product's performance, functional, and physical attributes with its requirements, design and operational information throughout its life. As applied to digital documents, it is the application of configuration management principles to digital documents, their representations, and data files; and the correlation of digital documents to each other and to the products to which they apply.

Configuration Management Plan (CMP). The document defining how configuration management will be implemented (including policies and procedures) for a particular acquisition or program.

Configuration Status Accounting (CSA). The configuration management activity concerning capture and storage of, and access to, configuration information needed to manage products and product information effectively.

Contract. As used herein, denotes the document (for example, contract, memorandum of agreement/understanding, purchase order) used to implement an agreement between a tasking activity and a performing activity.

Contractual acceptance of data. The action taken by the tasking activity signifying that an item submitted or delivered by the performing activity complies with the requirements of the contract.

Current Document Change Authority (CDCA). The authority currently responsible for the content of a drawing, specification, or other document and which is the sole authority for approval of changes to that document. (See also: Application Activity [AA], Approval, Document custodian activity.)

Data. Recorded information of any nature, including administrative, managerial, financial, and technical, regardless of medium or characteristics.

Data base. A collection of related data stored in one or more computerized files in a manner that can be accessed by users or computer programs via a data base management system.

Defect. Any nonconformance of a characteristic with specified requirements.

Deficiencies. Deficiencies consist of two types:

- (1) conditions or characteristics in any item which are not in accordance with the item's current approved configuration documentation; or
- (2) inadequate (or erroneous) configuration documentation which has resulted, or may result, in units of the item that do not meet the requirements for the item.

Design change. See Engineering change.

Developmental configuration. The performing activity's design and associated technical documentation that defines the evolving configuration of a configuration item during development. It is under the performing activity's configuration control and describes the design definition and implementation. The developmental configuration consists of the performing activity's released hardware and software designs and associated technical documentation. Programs may control design file/data bases in lieu of design drawings when implementing paperless/drawingless design approaches.

Deviation. A specific written authorization to depart from a particular requirement(s) of an item's current approved configuration documentation for a specific number of units or a specified period of time, and to accept an item which is found to depart from specified requirements, but nevertheless is considered suitable for use "as is" or after repair by an approved method. (A deviation differs from an engineering change in that an approved engineering change requires corresponding revision of the item's current approved configuration documentation, whereas a deviation does not allow a revision of the item's current approved configuration documentation.)

Distribution Statement. A statement used in marking a technical document to denote the extent of its availability for distribution, release, and disclosure without need for additional approvals and authorizations from the controlling DoD office.

Document. A self-contained body of information or data which can be packaged for delivery on a single medium. Some examples of documents are: drawings, reports, standards, data bases, application software, engineering designs, etc.

Document custodian activity. The custodian of a document is the activity which is charged with the physical and electronic safekeeping and maintenance of the "original" documents.

Document representation. A set of digital files which, when viewed or printed together, collectively represent the entire document. (For example, a set of raster files or a set of IGES files.) A document may have more than one document representation.

Engineering change. A change to the current approved configuration documentation of a configuration item.

Engineering Change Proposal (ECP). The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval.

Exchangeability of items. See: Interchangeable item, Replacement item, and Substitute item.

Firmware. The combination of a hardware device and computer instructions or computer data that reside as read only software on the hardware device.

Fit. The ability of an item to physically interface or interconnect with or become an integral part of another item.

Form. The shape, size, dimensions, mass, weight, and other physical parameters which uniquely characterize an item. For software, form denotes the language and media.

Function. The action or actions which an item is designed to perform.

Functional Baseline (FBL). The approved functional configuration documentation.

Functional characteristics. Quantitative performance parameters and design constraints, including operational and logistic parameters and their respective tolerances. Functional characteristics include all performance parameters, such as range, speed, lethality, reliability, maintainability, and safety.

Functional Configuration Audit (FCA). The formal examination of functional characteristics of a configuration item, or system prior to acceptance of the design capabilities, special tooling or developmental testing, to verify that the item has achieved the requirements specified in its functional and/or allocated configuration documentation.

Functional Configuration Documentation (FCD). The documentation describing the system's functional, performance, interoperability, and interface requirements and the verifications required to demonstrate the achievement of those specified requirements.

Hardware. Items made of material, such as weapons, aircraft, ships, tools, computers, vehicles, and their components (mechanical, electrical, electronic, hydraulic, pneumatic). Computer software and technical documentation are excluded.

Hardware Configuration Item (HWCI). See Configuration Item (CI).

Interchangeable item. One which (1) possesses such functional and physical characteristics as to be equivalent in performance, reliability, and maintainability, to another item of similar or identical purposes; and (2) is capable of being exchanged for the other item (a) without selection for fit or performance, and (b) without alteration of the items themselves or of adjoining items, except for adjustments.

Interface. The performance, functional, and physical characteristics required to exist at a common boundary.

Interface control. The process of identifying, documenting, and controlling all functional and physical attributes relevant to the interfacing of two or more products provided by one or more organizations.

Interface Control Documentation (ICD). Interface control drawing or other documentation that depicts physical, functional, performance, and test interfaces of related or cofunctioning products.

Interface Control Working Group (ICWG). For programs which encompass a system, configuration item, or a computer software configuration item design cycle, an ICWG is established to control interface activity among the tasking activity, performing activities, or other agencies, including resolution of interface problems and documentation of interface agreements.

Interoperability. The ability of the defense services and agencies to exchange information with each other (joint operations) or with an allied system (combined operations) to enable them to operate effectively together.

Item. A nonspecific term used to denote any product, including systems, materiel, parts, subassemblies, sets, accessories, etc.

Life cycle cost. The total cost to the tasking activity of acquisition and ownership of that system over its life cycle. It includes the cost of development, acquisition, support, and where applicable, disposal.

Lot number. An identifying number consisting of alpha and numeric characters which, in conjunction with a manufacturer's identifying CAGE code and a Product-Tracking Base-Identifier, uniquely identifies a group of units of the same item which are manufactured or assembled by one producer under uniform conditions and which are expected to function in a uniform manner.

Materiel. A generic term covering systems, equipment, stores, supplies, and spares, including related documentation, manuals, computer hardware, and software.

Nomenclature. The combination of a Government-assigned designation and an approved item name. In certain cases, the designation root serves as the basis for assignment of serial and/or lot numbers.

Nonconformance. The failure of a unit or product to meet a specified requirement.

Nonrecurring costs. As applied to ECPs, these are one-time costs which will be incurred if an engineering change is approved and which are independent of the quantity of items changed, such as cost of redesign, special tooling, or development testing.

Nonrepairable Item. Any part or assembly which, upon failure or malfunction is either discarded or returned to the original manufacturer.

Notice of Revision (NOR). A document used to define revisions to configuration documentation which require revision after Engineering Change Proposal approval. (See also: Engineering Change Proposal [ECP].)

Original. The current design activity's documents or digital document representation and associated source data file(s) of record.

Performing activity. Denotes an activity performing any of the requirements contained in a contract. A "Performing Activity" can be either a contractor or Government activity.

Physical characteristics. Quantitative and qualitative expressions of material features, such as composition, dimensions, finishes, form, fit, and their respective tolerances.

Physical Configuration Audit (PCA). The formal examination of the "as-built" configuration of a configuration item against its technical documentation to establish or verify the configuration item's product baseline.

Product Baseline (PBL). The approved product configuration documentation.

Product Configuration Documentation (PCD). The CI's detail design documentation including those verifications necessary for accepting product deliveries (first article and acceptance inspections.) Based on program production/procurement strategies, the design information contained in the PCD can be as simple as identifying a specific part number or as complex as full design disclosure.

Product-tracking base-identifier. A nonchanging identifier used as a base for the assignment of serial numbers to uniquely identify individual units of an item or lot numbers to uniquely identify groups of units of an item. The product-tracking identifier is used rather than the Part or Identifying Number (PIN) because the PIN is altered to

reflect a new configuration when the item it identifies is modified. The same product-tracking base-identifier may be used for several similar items (usually defined by a common document) and requires that each such item is assigned serial or lot numbers distinct from each other such item.

Product Tracking Identifier. A generic term which refers to the sequentially assigned alphanumeric identifier applied to a product to differentiate units of the product or groups of the product. This may be a Government serial (or hull) number, manufacturer's serial number, lot number or date code.

Recurring costs. Costs which are incurred for each item changed or for each service or document ordered.

Release. The designation by the originating activity that data, a document representation, or software version is approved by the appropriate authority and is subject to configuration change management procedures.

Released Data. Released data is data that has been released by the originating activity after review and internal approvals. Released data may be selectively provided to a tasking activity for purposes such as design review.

Repair. A procedure which reduces, but does not completely eliminate, a nonconformance. Repair is distinguished from rework in that the characteristic after repair still does not completely conform to the applicable drawings, specifications, or contract requirements.

Repairable Item. Any part or assembly which, upon failure or malfunction, is intended to be repaired by Government personnel (including contract personnel.)

Replacement item. One which is interchangeable with another item, but which differs physically from the original item in that the installation of the replacement item requires operations such as drilling, reaming, cutting, filing, shimming, etc., in addition to the normal application and methods of attachment.

Retrofit. The incorporation of new design parts or software code, resulting from an approved engineering change to a product's current approved product configuration documentation, into products already delivered to and accepted by customers.

Rework. A procedure applied to a nonconformance to the drawings, specifications, or contract requirements that will completely eliminate it and result in a characteristic that conforms completely.

Serial number. An identifying number consisting of alpha and numeric characters which is assigned sequentially in the order of manufacture or final test and which, in conjunction with a manufacturer's identifying CAGE code, uniquely identifies a single item within a group of similar items identified by a Product-tracking base-identifier.

Software. Computer programs and computer data bases.

Specification. A document which explicitly states essential technical attributes/requirements for a product and procedures to determine that the product's performance meets its requirements/attributes.

Specification Change Notice (SCN). See Engineering Change Proposal (ECP).

Submitted data. Released data that has been made available to customers, as required by contractual agreement.

Substitute item. An item that possesses such functional and physical characteristics as to be capable of being exchanged for another item only under specified conditions or in particular applications and without alteration of the items themselves or of adjoining items.

Support equipment. Equipment and computer software required to maintain, test, or operate a product or facility in its intended environment.

Survivability. The capability of a system to avoid or withstand a hostile environment without suffering an abortive impairment of its ability to accomplish its designated mission.

System. A complete system includes all equipment, related facilities, material, software, services, and personnel required for its operation and support to the degree that it can be considered a self-sufficient unit in its intended operational environment.

Tasking activity. A tasking activity (for example, a Government Contracting Activity which awards a contract to a contractor, a Government Program Management Office which tasks another Government activity, or a contractor which tasks a subcontractor) is the activity imposing the requirements contained in a contract on a performing activity.

Technical data. Technical data is recorded information (regardless of the form or method of recording) of a scientific or technical nature (including computer software documentation.)

Technical data package. A technical description of an item adequate for supporting an acquisition strategy, production, engineering, and logistics support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details.

Technical documentation. See Technical data.

Technical reviews. A series of system engineering activities by which the technical progress on a project is assessed relative to its technical or contractual requirements. The reviews are conducted at logical transition points in the development effort to identify and correct problems resulting from the work completed thus far before the problems can disrupt or delay the technical progress. The reviews provide a method for the performing activity and tasking activity to determine that the development of a configuration item and its documentation have a high probability of meeting contract requirements.

Training equipment. All types of maintenance and operator training hardware, devices, audio-visual training aids, and related software which:

- (1) are used to train maintenance and operator personnel by depicting, simulating, or portraying the operational or maintenance characteristics of an item or facility;
- (2) are kept consistent in design, construction, and configuration with such items in order to provide required training capability.

Version. An identifier used to distinguish one body or set of computer-based data from another. Version identifiers are usually associated with data used by, or maintained in, computers such as files, data bases, and software. Modifications to a version of either software, or a computer data base or a file (resulting in a new version) may require configuration management actions by either the performing activity, the tasking activity, or both.

Waiver. See Deviation.

Working data. Data that has not been reviewed or released; any data that is currently controlled solely by the originator including a new version of data that was released, submitted, or approved.

4. GENERAL REQUIREMENTS

(This section describes the business rules that underlie the principles of CM contained in EIA/IS-649, National Consensus Standard for Configuration Management. These principles constitute the basis for the conceptual schema defined in this data interface standard.)

4.1. General. DoD activities are responsible for acquiring (delivery of or access to) the configuration information necessary to support program development, production, sustainment, modification and disposal. The data which is necessary for configuration management of these Government assets varies during the life-cycle of the product and is dependent on the acquisition and logistic support strategies for the system/CI. To accomplish this requirement, the Government will maintain a system, or set of interconnected systems, which maintain the necessary information in a form which complies with Appendices B and C. Government activities must:

- a. ensure the unique identification of parts, assemblies, materials, software, and supporting documentation;
- b. ensure documentation is generated and correlated with the associated parts, assemblies, materials, or software;
- c. record the approved and actual structures of fielded units (assets);
- d. provide a repository for explanatory and requirements documents;
- e. document CCB membership and CCB disposition of proposed changes;
- f. maintain a history of the changes to system/CI configuration information and asset configuration;
- g. maintain an accurate record of the Government's decision making role over documents which are delivered to the Government; and
- h. monitor audit actions and change implementation actions.

The Government is responsible for maintaining the Government CM AIS which supports the information needs listed above. The CM AIS is the data base, or set of interconnected data bases, which contains both the electronic documents to be configuration controlled and the CSA data about those documents and about fielded Government products/assets. Usually, several different activities are responsible for different aspects of configuration identification (including documentation and interface management), control, audits, and status accounting. Therefore, various Government organizations must be tasked with providing the required information or documents and some of the information or documents may be procured from performing activities by ordering the appropriate information packets. (See Section 6 for ordering information.)

4.2. Configuration identification. To accomplish the requirement for accurate configuration identification records, Government responsibilities include:

4.2.1. Configuration identification of configuration items. The Government will select the systems/CIs for management. Each system will be assigned a name (for example, HARM Missile, Eagle, Javelin, Crusader Artillery System, Trident Submarine, etc.) and each CI will be assigned a name and may be assigned an alphanumeric identifier (for example: AGM-88B High-Speed Anti-Radiation Missile; F-15 Fighter Aircraft, WAU-47 Warhead, FMU-111A Fuze, CG47 Ticonderoga Class Guided Missile Cruiser, AN/TAS-4A Night Vision Sight Assembly, etc.). Together, these will uniquely identify the major end-use item. CSCIs will be identified as indicated in 4.2.4. If a system or CI is composed of lower level CIs, this hierarchy will be maintained in the CSA system.

4.2.2. Configuration identification of parts and assemblies. (Some commercial parts do not have a unique identifier, for example, machine screws are identified by diameter, length, thread, and head instead of by a part number. Such items will be identified using the requirements for materials in 4.2.3 instead of the requirements in this paragraph.)

4.2.2.1 Part and assembly design identification. The design of each part or assembly will be identified by a design source and a unique identifier assigned by that design source. This identification will always be associated with one or more configuration documents which define the design, including a component breakdown list (for example, parts list.) The design source for the part/assembly and the document source for the document must be the same.

4.2.2.2 Part and assembly unit/lot identification. Each physical part or assembly will be identified with the part identification (design source and identifier), and a manufacturer. If it is critical to safety or CI performance or operation, each individual part or assembly will also be identified by a unique product tracking identifier (usually assigned by the manufacturer.)¹ In some cases, more than one type of product tracking identifier may be assigned (for example, a serial number and a lot number); in this case, the correlation between product tracking identifiers will be recorded.

4.2.3. Configuration identification of materials. (If a part number has been assigned to the material by the design source, the material will be identified using the requirements for parts in 4.2.2 instead of the requirements in this paragraph.)

4.2.3.1. Material design identification. Each material will be identified by its design specification or standard (design source, document identifier and document type) and an optional list of up to six parameters, each with an associated value. The design documentation will also include a component breakdown list (for example, parts list) if required.

4.2.3.2. Material unit/lot identification. Each batch of material, or the package or shipping document for each batch of material, will be identified by the material design identification and a manufacturer. If it is critical to item safety, performance, or operation, or necessary to comply with regulatory requirements, each batch of material will also be identified by a unique product tracking identifier assigned by the manufacturer.¹ In some cases, more than one type of product tracking identifier may be assigned (for example, a serial number and a lot number); in this case, the correlation between product tracking identifiers will be recorded.

4.2.4. Configuration identification of software. Each software item which is designed to be directly installed in hardware (for example: computer, PROM, EEPROM, etc.) will be identified by its design source and a unique identifier or title assigned by that design source. It is further identified with a document type code which is used for tracking in the CM AIS data base. Each software item will consist of at least one document representation (for example, source code, executable code, etc.). Each iteration of a software item will be identified by a version identifier (also known as a revision identifier or release identifier) which is unique to the software item.

4.2.5. Configuration identification of documents. Each document will be identified by a document source², a unique identifier assigned by the document source, and a document type. Each document will consist of at least one document representation. Each iteration of a document will be identified by a revision identifier which is unique to the document.

4.2.6. Configuration identification of document representations. Each document representation will be identified by the document identification (that is, the document source, unique identifier, and document type) of the document which it represents and a document representation identifier which is unique for the document. A document representation may consist of any number of electronic files. Each iteration of a document representation will be identified by a revision identifier which is unique to the document representation.

¹ This requirement does not preclude the assignment of a product tracking identifier to parts, assemblies, and materials which are not critical to safety, CI performance or operation when the assignment is for manufacturing, inspection, or other purposes.

² Generally, the document source should be the organization which originates the document and determines the initial content of the document; however, if the Government is contracting for the creation of documentation with the intent of transferring CDCA and responsibility to the Government at some future time, then, the document source shown on the document may be different from the organization actually originating the work. In either case, the CM AIS should record both the originating organization and the CDCA. For drawings, the organization that actually originates the drawing is sometimes called the preparing activity, and the organization whose number appears in the title block of the drawing is called the Original Design Activity.

4.2.7. Configuration identification of files. Each electronic file which is part of a document will be uniquely identified by the combination of the name of the person and organization (for example, company, service, office, etc.) which created it, the name assigned to the file by the creator of the file, and the creation date of the file.

4.2.8. Secondary configuration identifiers. Some items or documents may have one or more alternate identifiers. These are in addition to, not in lieu of, the identifiers in 4.2.2 through 4.2.7 and must be cross-referenced to the primary configuration identifier.

4.2.8.1. National Stock Numbers (NSN). For the purpose of supplying and stocking parts, assemblies, materials, and software, an NSN may be assigned. A single NSN may be used for all interchangeable parts/assemblies/materials/software. Different NSNs may be used for a single item for variations in packaging, preservation, unit of issue, etc. NSNs should be marked on parts/assemblies and their packaging when appropriate.

4.2.8.2. Contract data item identifiers. If a document (or group of documents) is submitted as a contract required data item, it may also be additionally identified with a data item identifier consisting of the contract number, contract data requirements list (CDRL) sequence number, and submittal number. Subsequent submittals of the same item of data (for example when the original data item submittal is disapproved) may be identified by a revision identifier which uniquely identifies the submittal iteration. A data item identifier is a method of identifying the specific document representation(s) which is submitted as the data item. Contract Data Item Identifiers are primarily for tracking purposes, but they may be marked on the document(s) if desired.

4.2.8.3. Block identifiers. For hardware CIs, a block identifier may be assigned to designate a quantity (a block) of consecutive production units of the CI which will have essentially the same configuration on delivery or upon the completion of modification. (Using this concept, the production run is divided into “blocks” of units. The production line incorporation for an ECP is delayed to coincide with the first unit of the next block, or retrofit is required for at least all already-delivered units of the current block.)

4.3. Configuration documentation. The configuration documentation which must be accessible via the CM AIS will vary depending on the acquisition and logistics support scenario. All configuration documentation for which a DoD organization is the CDCA must be accessible via the Government CM AIS. All configuration documentation which is necessary for the DoD to perform maintenance/modification/disposal actions to fielded assets must be accessible via the Government CM AIS but does not have to be controlled by a Government agency. The Government tasking activity will obtain the configuration documentation³, copies of the configuration documentation, or access to copies of the configuration documentation as described below.

4.3.1. Performance-based procurement of a nonrepairable item. A Government activity should be the CDCA for the FCD and ACD for the CI being procured.⁴ The performing activity will be the CDCA for the PCD. Copies of, or access to, the PCD by the Tasking Activity is not required.

4.3.2. Performance-based procurement of a repairable item. A Government activity should be the CDCA for the FCD and ACD for the CI being procured.⁴ The performing activity usually will be the CDCA for the PCD. The tasking activity will be responsible for obtaining the top-down breakdown structure of items which are critical to safety, performance, or operation by obtaining *copies* of, or perpetual access to, the PCD documents describing the design, down to and including all replaceable components in the lowest level repairable assembly. The tasking activity will be

³ If the Government procures the configuration document, instead of a copy of the configuration document, control of the master file(s) is transferred to the Government, the Government becomes the CDCA for the document(s), is solely responsible for all future changes to the content of the document(s), and can make unilateral changes to it. If the Government procures only a copy of the document, or access to the document, the Government does not have the authority to change the document unilaterally; the CDCA remains with the originating activity, and any changes proposed by the Government must be approved and incorporated by the CDCA. If not otherwise stated in the contract, the assumption is that the Government is procuring a copy of the document, not the master of and not control of the document.

⁴ The organization which originates the document is always the CDCA unless the authority and responsibility is transferred. Normally, that transfer should take place prior to the Government using that document as a basis of contracting. The CDCA for the remainder of the document(s) should remain with the originating activity.

responsible for obtaining a copy of the complete product configuration of each delivered tracked item (as-built configuration report) down to and including the replaceable components of the lowest level repairable item.

4.3.3. Detailed-design procurement of a repairable item. A Government activity should be the CDCA for the FCD and ACD for the CI being procured.⁴ The tasking activity will be responsible for obtaining a copy of the complete product configuration of each delivered item (as-built configuration report.) Depending on tasking activity plans for reprocurement of the CI and for enhancement to the design after the end of production, the tasking activity will be responsible for either

- a. obtaining a *copy* of, or perpetual access to, the TDP including the PCD describing the complete design, down to and including all replaceable components in the lowest level repairable assembly (in which case, the performing activity will be the CDCA), and for reviewing proposed changes to the design documentation for logistics impact, or
- b. obtaining the originals of the PCD (or a portion of the PCD) describing the detailed design, down to and including all replaceable components in the lowest repairable assembly (in which case, the tasking activity will become the CDCA for these documents) as part of the TDP, and for reviewing and dispositioning proposed changes to the design documentation.

4.4. Configuration control.

4.4.1. Change control of documents. There are five categories of document control which are independent of contractual relationships. In order to provide proper change control of documents, the Government CM AIS must maintain clear records of the various controlling roles, as discussed below, for each document (or copy of a document) accessible by the Government CM AIS.

4.4.1.1. Originating activity. The originating activity is the organization which determines the content of, and creates the initial issue of, the document. The originating activity determines the identification to be used for the document. Usually, the originating activity assigns itself as the source and assigns a number (or title) of its choosing; however, when it is preparing the document for another organization, it may be required to assign that tasking organization as the source and assign a number (or title) provided by the tasking organization. Regardless of the identification of the document, the originating activity never changes for the life of the document. There is always one originating activity for each document.

4.4.1.2. Current Document Change Authority (CDCA). When a document is first created, the originating activity is the CDCA for the document. The CDCA can approve (baseline) the initial document and can unilaterally approve changes to the document. Therefore, the CDCA has the final authority and responsibility for controlling the content of the document and for ensuring that changes are incorporated into the document. Coordination with application activities is not necessary unless a contractual arrangement so dictates (see 4.4.1.4.) The CDCA may be transferred to another organization. There is always only one CDCA for each document.

4.4.1.3. Custodial activity. When a document is first created, the originating activity is the custodial activity for the document. The custodial activity is usually the same as the CDCA, but custodial responsibility may be transferred to another organization. This custodian is responsible for storing the “master” or “original” copy/document representation(s)/file(s) of the document and the subsequent approved revisions of the document. There is always only one custodial activity for each document.

4.4.1.4. Application Activity (AA). An application activity is any organization which uses a document for which it is not the CDCA. The AA may or may not have a contractual relationship with the CDCA and the authority of the AA

depends on the contractual relationship with the CDCA of the document.⁵ In general, AAs can provide approval for use (adoption) of a document or of a change to a document. AAs cannot direct incorporation of a change into the document, or approve or direct implementation of a proposed change which has been disapproved by that document's CDCA.

4.4.1.5. Government Lead Application Activity (GLAA). When more than one Government organization is an AA with a contractual relationship with the CDCA of a document, one Government organization is sometimes designated as the GLAA. If one Government activity has been designated as the lead for Government acquisition of the item (for example, DLA), and other Government activities “buy” through the lead activity, the designated lead is the GLAA. The GLAA should consolidate recommendations from all Government AA’s and act as the sole point of contact within the Government for coordination with the CDCA concerning proposed engineering changes and approval for use (adoption) of a document or of a change to a document.

4.4.1.6. Contract data item approval. When there is a contractual requirement for a decision about the acceptability of information submitted to meet contract requirements (as opposed to the always-required technical decision by the CDCA or AA described in 4.4.2 or 4.4.3) this approval (contractual acceptance) is a separate action by the tasking activity; however, it is usually dependent, at least in part, on the technical decision by the tasking activity either in its role as CDCA or as AA. The name of the data submittal approval authority, approval/disapproval disposition decision, and date will be recorded in the Government CM AIS or be accessible to the Government CM AIS.

4.4.2. Configuration control of Government products/assets and their designs.

4.4.2.1. Configuration control of designs for products/assets. All documents for which the Government is the CDCA (ranging from performance specifications to detailed design drawings to data items) will be entered into the Government CM AIS. If the Government is the CDCA for detailed design documents the completed design structure will be entered into the Government CM AIS. For repairable items which will be repaired by the Government, the complete design structure and any necessary associated documentation will be entered into the Government CM AIS. Changes to the design, design structure, or configuration documentation will be proposed by means of an ECP. Prior to delivery of the unit affected, temporary departures from the design requirements (permanently incorporated in the unit) will be proposed by means of an RFD. (See also: 4.4.2.1.2)

4.4.2.1.1. Design changes requiring new identification. The CDCA will assign new part/material/software identifiers when a part, material, or software is changed in such a manner that any of the following conditions occur⁶:

- a. Condition 1: Performance or durability is affected to such an extent that superseded items must be discarded or modified for reasons of safety or malfunction.
- b. Condition 2: Parts, subassemblies, or complete articles (including software) are changed to such an extent that the superseded and superseding items are not interchangeable.
- c. Condition 3: When superseded parts, materials, or software are limited to use in specific articles or models of articles and the superseding parts are not so limited in use.

⁵ If there is a contractual relationship between the CDCA and AA, the CDCA should coordinate proposed changes to the document with the AA to allow the AA to determine if the changes will impact the AA’s use of the product (or ability/cost to produce the product.) The CDCA can unilaterally make changes to the document provided the changes do not affect the product deliveries currently under contract. The CDCA can also make unilateral changes to the document which do affect the product, but the CDCA must then negotiate any necessary contract adjustments. However, if the tasking and performing activities are both AAs, neither has any control over changes to the document (for example, procuring steel to the ANSI standard for steel.) The CDCA (in this example, ANSI) has no responsibility for coordinating changes with either AA.

⁶ When a part, assembly, material, or software is changed in such a manner that the conditions listed do not occur, the part/material identifier will not be changed. Under no condition will the part/material identifier be changed only because a new application is found for an existing item. When an item has been furnished to the Government, the applicable part/material/software identifier will not be changed unless the conditions listed apply. However, when the CDCA desires to create a tabulated listing or a standard because of multiple application of an item, the aforementioned need not apply. The superseded drawing will identify the document which superseded it. The superseding document will identify the part/material identifiers replaced and provide a complete cross-reference of superseded part/material identifiers to replacement part/material identifiers.

- d. Condition 4: When an item has been altered, selected, or is a source control item.
- e. Condition 5: When a repair part within an item is changed so that it is no longer interchangeable with its previous version, it will be assigned a new part/material identifier. A new part/material identifier will also be assigned to the next higher assembly for the changed repair part and to all subsequent higher assemblies up to and including the level at which interchangeability is re-established.
- f. Condition 6: When an item is changed in such a way that it necessitates a corresponding change to software for operation, self test, acceptance test, or maintenance test, the part/material identifier of the item, its next assembly and all progressively higher assemblies will be changed up to and including the assembly where the software is affected.

4.4.2.1.2. Configuration Control Boards (CCBs). Each Government organization or project which is responsible for the design (CDCA) or acquisition (AA or GLAA) of a system/CI will establish a CCB for the system/CI and maintain a record of the current members by name and position. The CCB will review proposed changes for their impact on cost, logistics support, and implementation planning. For each ECP or RFD reviewed by the CCB, the CCB date and results will be entered in the Government CM AIS. The results will include the disposition of the ECP/RFD and may include a description of each action item identified as a result of the CCB decision. For each major and subsidiary action item in the CCB directive, a record of the status of the action item will be maintained, including the organization responsible for accomplishment of the action item, its estimated completion date, and current status.

4.4.2.1.2.1. Approval of ECPs. When an engineering change proposal affects documents controlled by more than one CDCA, or when more than one performing activity is involved in accomplishing the change, related ECPs must be prepared. A separate ECP must be prepared for each package of documents controlled by a single CDCA which are to be changed to accomplish this single engineering change. Only the CCB convened by the CDCA for the documents being changed by the ECP can make the final disposition of the ECP. AA CCBs should review proposed ECPs and make recommendations to the CDCA (or GLAA.) (See also: Table I.)

TABLE I. ECP Disposition Authority

Activity	Decision	Forwarded to
CDCA	Final	
GLAA	Overall Government AA position	CDCA
AA (Government)	User Position	GLAA if any, CDCA if there is no GLAA
AA (Nongovernment)	User Position	CDCA

4.4.2.1.2.2. Approval of RFDs. Disposition of a proposed RFD will be by a CCB convened by, or MRB authorized by, the tasking activity which is procuring the affected product.

4.4.2.2. Configuration control of parts/materials. A product-tracking base-identifier will be assigned to each part or material to be tracked. Within a product-tracking base-identifier (for example a unique CI designator), product tracking identifiers (for example, serial numbers) will not be duplicated even if part numbers change.

4.4.2.3. Product configuration record. For each selected part, assembly, or material (including installed software), which is critical to the product safety, performance, or operation, a record will be maintained of:

- a. the part/assembly (design source, identifier, manufacturer, and product tracking identifier) or material (material design source, specification or standard identifier, list of material parameters, manufacturer, and product tracking identifier),

- b. the next higher level of assembly (design source, part identifier [or material specification/standard identifier and list of part parameters], manufacturer, and product tracking identifier) in which it is installed, and
- c. the component software (design source and identifier), part/assembly (design source and identifier) or material (material design source, specification or standard identifier, and list of material parameters) for each replaceable part or material to which a product tracking identifier has not been assigned.

4.4.2.4. Configuration control of assets. Each maintenance, modification, update, or retrofit action performed by, or for, the Government (including contract maintenance/depot personnel) which involves the removal/replacement or re-identification of a part/assembly/material/software which is critical to safety, performance, or operation will be recorded in the Government CM AIS. (This is normally accomplished through maintenance data collection systems and fed electronically to the Government CM AIS.) This record will include:

- a. the old part/assembly/material/software identification, manufacturer, and product tracking identifier,
- b. the new part/assembly/material/software identification, manufacturer, and product tracking identifier,
- c. the old next higher assembly identification, manufacturer, and product tracking identifier,
- d. the new next higher assembly identification, manufacturer, and product tracking identifier,
- e. the identification of the organization performing the task and when the task was performed, and
- f. for modifications, updates, and retrofits, the tasking document (for example, Modification Work Order, Time Compliance Technical Order, Technical Directive, Ordnance Alteration Instruction, Ship Alteration Instruction, Machinery Alteration Instruction, etc.).

4.4.2.4.1. ECP requests for changes to assets. After delivery of a product, an ECP will be used to request a change to the asset(s) if

- a. the asset is still being produced or
- b. the asset is no longer being produced but the Government is the CDCA for the design document of the part/material/software being changed. (See also: 4.4.2.1.)

4.4.2.4.2. Modification requests for changes to assets. After delivery of a product, a modification request (for example, a Modification Improvement Program Request, Proposed Military Improvement, Proposed Technical Improvement, or approved equivalent) will be used to request a change to the asset(s) if

- a. the asset is no longer being produced and the Government is not the CDCA for the design document of the part/material/software being changed, or
- b. the asset is still being produced, but the requested change is temporary in nature (such as modification of an asset to conduct testing of new equipment.)

4.4.2.4.2.1. Approval of modification requests. Modification requests to deployed hardware and software (assets) will be reviewed and dispositioned by the activity responsible for the equipment/software. If the modification request is approved, the approving activity will:

- a. Prepare the appropriate tasking document(s) (for example, Modification Work Order, Time Compliance Technical Order, Technical Directive, Ordnance Alteration Instruction, Machinery Alteration Instruction, Field Change Instruction, Rapid Action Minor Engineering Change, etc.) and include it in the Government CM AIS.

- b. Create, or direct the creation of, any new engineering drawings (including altered item drawings) which are necessary to the accomplishment of the modification,
 - c. Mark, or direct the marking of, any modified parts/materials/software with the altered item part number.⁷
 - d. Ensure that the modification is properly recorded in the Government CM AIS upon completion of the modification (see also: 4.4.2.3),
 - e. Prepare and issue changes to any technical manuals/orders (including maintenance and operations) which must be changed to reflect the new configuration resulting from the modification.
- 4.5. Configuration audit. To accomplish the requirement for accurate configuration audit records, Government responsibilities include:
- 4.5.1. Configuration audit results. For each CI, a record of the date and results of each FCA and PCA performed by the Government will be maintained. The results will include a description of each problem and action item from the audit and the basis of the problem/action item (for example, contract, specification, etc.).
- 4.5.2. Configuration audit action item status. For each problem identified by an FCA or PCA, the resulting action item(s) and a record of the status of the action item will be maintained including the organization responsible for accomplishment of the action item, its estimated completion date, and current status.
- 4.6. Miscellaneous.
- 4.6.1. On-line review and comment on documents. The Government CM AIS allows for any document entered into CM AIS to be reviewed on-line and be commented on by the reviewer(s) prior to approval by the CDCA of the document. As a minimum, CCB members are reviewers of all configuration documents submitted to the CCB. If the on-line review/comment capability is to be used for other documents, the name and organization of the reviewers must be maintained in CM AIS by the CDCA.
- 4.6.2. On-line review and comment on data item submittals. The Government CM AIS allows for any data item submittal entered into CM AIS to be reviewed on-line and be commented on by the reviewer(s) prior to contractual acceptance of the data item. If the on-line review/comment capability is to be used for data item submittals, the name and organization of the reviewers must be maintained in CM AIS by the Government data manager.
- 4.6.3. Document protection. Each document, document representation, and electronic file will be coded and marked with the appropriate protective markings. The following are recognized in the Government CM AIS:
- a. Government security classification level, authority, and downgrading,
 - b. Government security access restrictions (for example: WINTEL, CRYPTO, CNWDI, etc.),
 - c. Export Controlled item warning,
 - d. Document Distribution Limitations, controlling office, and date,
 - e. Government Rights in Technical Data and Computer Software and expiration date,

⁷ If parts (or materials) change sufficiently to become non-interchangeable (see 4.4.2.1.1), an altered item drawing must be created by the approving activity and the modified part/material must be marked with the altered item part identifier. An altered item drawing will also be created, and altered item part/material identifiers marked on the next higher assembly and all subsequent higher assemblies up to and including the level at which interchangeability is re-established. If the change is to software, or necessitates a corresponding change to software for operational, self test, acceptance test, or maintenance test, the approving activity will assign a new identifier to the software, create an altered item drawing for, and mark, the part/material item, its next assembly and all progressively higher assemblies up to and including the assembly where the software is affected.

- f. Copyright information and limitations,
- g. Company proprietary rights and competition sensitive information.

4.6.4. Access. Access to documents/document representations/files will be limited to those personnel with the appropriate authorization for the particular file.

5. DETAILED REQUIREMENTS

5.1. Data information packets. To streamline the effort required to obtain this information and eliminate redundant or overlapping responsibilities, the required information has been broken into data information input packets, each dealing with a different major aspect of configuration management. These packets are then further broken into subpackets. Each subpacket includes only that information which would be expected to be provided by a single activity. The packets are:

- a. Data information packet 1: Drawings, specifications, standards, software and software support documents. This packet includes information about, and may include actual documents (or access to documents) that define the configuration requirements for hardware or software, or establish standards for materials, products, or processes. This includes all engineering drawings (including primary item, test equipment, tooling, etc.), program-unique specifications, software, and software support documents, and documents that are referenced as part of the configuration design but which do not define parts or materials. This includes such documents as industry organization specifications/standards, military specification/standards/ handbooks, other U.S. Government agency (for example: DOE, DOT, OSHA, etc.) standards, etc., and other non-U.S. standards (for example: NATO STANAG, ISO, etc.).
- b. Data information packet 2: General document. This packet includes information about, and may include actual documents (or access to documents), that are ancillary to the configuration definition but necessary to management of the configuration of the deployed product, that are used for logistics support of the product, or that are submitted to the Government for some other purpose. This includes technical manuals/orders and their changes/supplements, decision documents, and other miscellaneous contract data items associated with the product.
- c. Data information packet 3: Product/asset configuration. This packet includes the actual current configuration (by part and serial/lot number) of fielded hardware/software. It includes a correlation of serial, lot, and block numbers when multiple tracking identifiers are used for a single item.
- d. Data information packet 4: Configuration change control. This packet includes information concerning requests for change/modification of engineering designs and/or fielded equipment/software.
- e. Data information packet 5: Configuration management action item status. This packet includes information concerning CCB-directed actions and configuration audit actions and their status.
- f. Data information packet 6: Project management. This packet includes system and configuration item designations and CCB organization, contract and contract data item requirements, document review and approval and other miscellaneous configuration management information.
- g. Data information packet 7: Engineering parts list. This packet includes the contents of parts lists (including integral and separate parts lists) and proposed changes to parts lists.
- h. Data information packet 8: Basic document protection. This packet includes document/file security classification, Government rights in technical data, document distribution restrictions, company proprietary rights, etc. This packet is used only in conjunction with the other packets when documents, files, or information on documents or

files are provided. It is treated separately solely to prevent redundancy within this standard. It cannot be ordered separately.

- i. Data information packet 9: Basic file. This packet includes file identification, file administrative information, and may contain the actual files. This packet is used only in conjunction with the other packets when files, or information on files, are required by the packet. It is treated separately solely to prevent redundancy within this standard. It cannot be ordered separately.
- j. Data information packet 10: Basic document representation. This packet includes document representation identification and administrative information. This packet is used only in conjunction with the other packets when documents, or information on documents, require this information. It is treated separately solely to prevent redundancy within this standard. It cannot be ordered separately.

5.2. Content of data information packets. The data information packets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS data base described in Appendices B and C. For each packet, the subpacket identifier shall be followed by the various elements listed. These elements shall be provided in the order shown, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the table and data element code, separated by a decimal, as shown in the column labeled "Data Element Tag". The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element code. The end of each data packet will be indicated by the inclusion of "/end".

5.3. Validation of data. CM information is highly interrelated. Any information to be added to the DoD CM AIS data base must be validated against information already existing in the data base. For example, information on an ECP cannot be added to the data base unless the identification of the document(s) affected by the ECP is already in the data base. Therefore, some of the information included in each of the information packets is there solely for validation of the input. Data information packets will also be validated based on their conformance to 5.2.

6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.)

6.1. Intended use. This Military Interface Standard establishes the business rules view (conceptual schema) for DoD standard automated information systems used for configuration management of Defense materiel items and the management of data related to those items. It also defines the configuration management data requirements that may be selected by the Government to be provided by performing activities. This data is typically ordered by the Government in Statements of Work and Contract Data Requirements Lists invoking the Data Item Descriptions listed in 6.2.

6.2. Associated Data Item Descriptions (DIDs). When it is necessary to obtain data, the applicable one time use DIDs must be listed on the Contract Data Requirements List (DD Form 1423), except where the DoD Federal Acquisition Regulation Supplement exempts the requirement for a DD Form 1423.

<u>DID Number</u>	<u>DID Title</u>	<u>Selection and Tailoring Guidance</u>
DI-CMAN-81551	Drawings, Specifications, Standards, Software and Software Support Documents Data Information Packet	A.4.2
DI-CMAN-81552	General Document Data Information Packet	A.4.4
DI-CMAN-81553	Product/Asset Configuration Data Information Packet	A.4.3, A.4.5
DI-CMAN-81554	Configuration Change Control Data Information Packet	A.4.6
DI-CMAN-81555	Configuration Management Action Item Status Data Information Packet	A.4.7
DI-CMAN-81556	Project Management Data Information Packet	A.4.8

The above DIDs were current as of the date of this standard. The following DIDs must also be listed on the DD Form 1423 when it is necessary to obtain the data.

6.3. Tailoring guidance for contractual application. This Standard defines the Government interface for digitized configuration management data. Data Information Packets (DIPs) in this Standard define the required data formats. Selection and use of the appropriate DIPs is determined by the requirements specified in the tasking activity's statement of work and contractually invoked by specifying the appropriate DIDs in the CDRL. On-line delivery or on-line access to the data is preferred. Tailoring guidance for the DIPs is provided in Appendix A.

6.4. Subject term (key word) listing.

Application activity
 Approved data
 Configuration audit
 Configuration baseline
 Configuration control
 Configuration control board
 Configuration documentation
 Configuration identification
 Configuration item
 Configuration status accounting
 Current document change authority
 Data Information Packet
 Document custodian activity
 Document representation
 Engineering change proposal
 Interface control
 Lot number
 Notice of revision
 Product-tracking base-identifier
 Released data
 Request for Deviation
 Serial number
 Submitted data
 Technical data package
 Working data

6.5. Useful references.

- a. EIA Standard IS-649, National Consensus Standard for Configuration Management. This standard explains the major configuration management functions rather than mandates them. The explanation includes purpose, benefits, and best practices. Within each topic, the basic principles of configuration management are addressed. The principles are selectively applicable to a broad range of customers, products and industries. This standard has been DoD adopted, and copies are available to Government personnel through the DoD Single Supply Point, Bldg. 4/Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094; or by FAX to 215-697-1462. The standard is available to industry from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112-5704, or call USA and Canada 1-800-854-7179, International (303) 397-7956.
- b. Draft MIL-HDBK-61, DoD Configuration Management. This handbook provides guidance to military acquisition Program Managers and all Integrated Product Team (IPT) members on how to ensure the selective application of product and data configuration management to defense materiel items. The document can be downloaded from the Internet at <http://www.magicnet.net/~noble/eia/>.

- c. The Software Engineering Institute's A Systems Engineering Capability Maturity Model. This model describes the role configuration management plays in the systems engineering process, and provides a reference for comparing actual practices against essential elements. The document is available from the National Technical Information Service (NTIS), U.S. Department of Commerce, Springfield, VA 22161, Phone (703) 487-4600; or from the Defense Technical Information Center (DTIC), Attn: DTIC-OCP, 8725 John J. Kingman Road, Suite 0944, Ft. Belvoir, VA 22060-6218.
- d. ISO 10303-203, Configuration Controlled 3D Design for Mechanical Parts and Assemblies. This document is a published international standard addressing a part of the configuration management business area. Harmonization of this MIL-STD with ISO 10303-203 and other applicable 10303 efforts is an ongoing activity as we move to a single consensus international standard for the configuration management business area. ISO 10303 documents, published and in process, can be accessed on the Internet at <http://www.nist.gov/sc4/>.

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Drawings, Specifications, Standards, Software and Software Support Documents

DIP1.1. Purpose. Includes information about and may include actual documents (or access to documents) that define the configuration design of hardware or software, or establish standards for materials, products, or processes. This includes all engineering drawings (including primary item, test equipment, etc.), program-unique specifications, software, and software support documents, and standardization documents that are referenced as part of the configuration design. This includes such documents as industry organization specifications/standards, military specifications/standards/handbooks, other U.S. Government agency (for example: DOE, DOT, OSHA, etc.) standards, etc., and other non-U.S. standards (for example: NATO STANAG, ISO, etc.).

DIP1.1.1 Subpackets. There are six subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
1A	Design drawings and associated lists
1B	Program-unique specifications
1C	Standardization documents
1D	Software administrative information
1E	Software
1F	Software support documents

DIP1.2. Content of information subpackets. The information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 1C) shall be followed by the various elements in the order shown in Table DIP1-I, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

DIP1.2.1 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CM AIS database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP1.2.2.1 Subpacket 1A. The value of 'Document identifier type code' (sequence 4), 010.IDNTYP010, is always "N".

DIP1.2.2.2 Subpacket 1B.

- a. The value of 'Document type code' (sequence 1), 010.DOCTYP010 is always 'P-SPEC'.
- b. The value of 'Document identifier type code' (sequence 4), 010.IDNTYP010, is always "N".
- c. If the value of 'Product type code' (sequence 33) is 'P' and the value of 'document source type code' (sequence 2) is 'C', then the value of 002.ENTTYP002 is "CAG", the value of 212.DOCTYP212 is 'P-SPEC', and the value of 'Document source' (sequence 3) is also entered in 210.ENTIDN002.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
1	Document type code	M ¹					M ²	010.DOCTYP010	Appendix C, DED 0004
2	Document source type code	M ³	M ³	M	M ³	M ³	M	010.ENTTYP010	Appendix C, DED 0100
3	Document source	M	M	M	M	M	M	010.SRCIDN010	If the value of sequence 2 is 'A', see Appendix C, DED 0069; if the value is 'C', see DED 0001; if the value is 'M', see DED 0170; if the value is 'O', see DED 0002.
4	Document identifier type code			M	M	M	M	010.IDNTYP010	Appendix C, DED 0101 and Table B-I
5	Document identifier	M	M	M	M	M	M	010.DOCIDN010	Table B-I and for subpackets 1A, 1B, and 1C, Appendix C, DED 0003; for subpackets 1D, 1E, and 1F, the transmitted field must be 120 characters, left justified and consist of an alphanumeric identifier (Appendix C, DED 0003) or a title (Appendix C, DED 0120), as appropriate for the type of document.
6	Document revision level	M	M	M	M	M	M	011.DOCREV011	The transmitted field must be 8 characters, left justified and consist of either an alphanumeric revision identifier (Appendix C, DED 0009), a software version (Appendix C, DED 0062), or a date (Appendix C, DED 0082), as appropriate for the document type.
7	Originator	M	M	M	M	M	M	010.ORIGIN010	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069).
8	CDCA	M	M	M	M	M	M	010.CCCENT010	Appendix C, DED 0239
9	CDCA effective date	M	M	M	M	M	M	010.CCCADT010	Appendix C, DED 0082

¹ The value must be either "DWG", "DL", "IL", or "PL".

² The value must be either "SWDOC" or "SVD".

³ The value must be either "C" or "M".

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
10	Document/Software Custodian	M	M	M	M	M	M	011.CUSORG011	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069).
11	Document title/Software product name	M	M	M	M	M	M	011.DOCTIT011	Appendix C, DED 0008
12	Preparation Date	M	M	M	M	M	M	011.PREPDT011	Appendix C, DED 0082
13-30	Basic Document Protection subpacket	M	M	M	M	M	M	See Data Information Subpacket 8A	Data Information packet 8
31	Separate Parts List flag	O ⁴						051.SEPCOD051	Appendix C, DED 0025
32	Control drawing type code	O ⁴						051.CONTYP051	Appendix C, DED 0032
33	Product type code/Software paradigm code		M	M			M	100.PRDTYP100 or 400.PRDTYP400 or 913.PRDTYP913 or 914.PRDTYP914 or 150.SWPARA150 ⁵	Appendix C, DED 0034 or 0163
34	CI indicator	O ⁴						060.CIFLAG060	Appendix C, DED 0023
35	CI nomenclature	O ⁶	O					060.CINOMN690 or 100.CINOMN690 ⁷	Appendix C, DED 0047
36	Federal Supply Class Code		O					100.FSCCOD100	Appendix C, DED 0073

⁴ Mandatory if the value of 'Document type' (sequence 1) is "DWG"; otherwise, must be blank.

⁵ For subpacket 1B: If the value of 'document source entity type code' (sequence 2) is 'C', use the Tag that starts with 100; if the value of 'document source entity type code' is 'M', use the Tag that starts with 913.

For subpacket 1C: If the value of 'document source entity type code' is 'O', use the Tag that starts with 400; if the value of 'document source entity type code' is 'M', use the Tag that starts with 914.
For subpacket 1F, use the Tag that starts with 150.

⁶ Must be blank unless the value of 'CI indicator' (sequence 34) is "Y".

⁷ Use the Tag that starts with 060 for information subpacket 1A and the Tag that starts with 100 for information subpacket 1B.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
37	Interface control document code		M					010.ICDCOD010 ⁶	Appendix C, DED 0030
38	Specification type code/Software support document type code		O				O ⁸	100.SUBTYP100 or 185.SDOC SB185 ⁹	Appendix C, DED 0108 or 0107
39	First Article Test Code	O ⁴	M					051.FRSTR051 or 101.FRSTR010 ¹⁰	Appendix C, DED 0077
40	Specification category code		M					101.SPCCAT101	Appendix C, DED 0105
41	Drawing size	O						051.DWGSIZ051	Appendix C, DED 0112
42	Total sheets	O						051.DWGSHT051	Appendix C, DED 0110
43 ¹¹	Sheet number	M						052.SHTNUM052	Appendix C, DED 0026
44 ¹¹	Sheet revision level	M						052.SHTREV052	Appendix C, DED 0009
45 ¹¹	Sheet revision date	O						052.SHTDAT052	Appendix C, DED 0082
46 ¹²	Drawing note number	O ¹³						080.NOTNUM080	Appendix C, DED 0251
47	Drawing note text	O ¹⁴						080.NOTTXT080	Appendix C, DED 0252

⁸ Must be blank if value of 'Document type code' (sequence 1) is 'SVD'; mandatory if value of 'Document type code' is 'SWDOC'.

⁹ For subpacket 1B: Use the Tag that starts with 100
For subpacket 1F: Use the Tag that starts with 185.

¹⁰ For subpacket 1A: Use the Tag that starts with 051.
For subpacket 1B: Use the Tag that starts with 101.

¹¹ Repeat the series of fields 'Sheet number', 'Sheet revision level', and 'Sheet revision date' (sequence 43 through 45), as necessary.

¹² Repeat this field as necessary. It must be followed by either (a) 'Drawing note text' (sequence 47), or (b) 'Drawing note special conditions code' (sequence 48), or (c) 'Referenced document type' (sequence 49), 'Referenced document source' (sequence 50), 'Referenced document identifier' (sequence 51), and optionally, 'Referenced document revision level' (sequence 52), or (d) 'Referenced part design source' (sequence 53) and 'Referenced part number' (sequence 54), or (e) 'Referenced material source' (sequence 55), 'Referenced material identifier/name' (sequence 56), and 'Referenced material identification (parameters & values)' (sequence 57).

¹³ Must be blank unless the value of 'Document type code' (sequence 1) is either "DWG" or "PL".

¹⁴ Must be blank unless preceded by a 'Drawing note number' (sequence 41).

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
48	Drawing note special conditions code	O ¹⁴						081.SPNOTE081	Appendix C, DED 0257
49 ¹⁵	Referenced document type	O ¹⁶	O					067.ILTYPE065 or 068.PLTTYPE068 or 071.CDOCTY071 or 082.RDOCTY082 or 110.RDOCTY110 ¹⁷	Appendix C, DED 0004
50 ¹⁵	Referenced document source	O	O					067.CILCAG067 or 068.PLCAGE068 or 071.SRCIDN010 or 082.SRCIDN010 or 110.SRCIDN010 ¹⁷	Table B-I. For the Tag that starts with 067 or 068, see Appendix C, DED 0001. For the Tag that starts with 071, 082, or 110, the transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), an author's name (Appendix C, DED 0069), or a company name (Appendix C, DED 0170), as appropriate for the type of document.
51 ¹⁵	Referenced document identifier	O	O					067.CILNUM067 or 068.PLNUMB068 or 071.DOCIDN010 or 082.DOCIDN010 or 110.DOCIDN010 ¹⁷	Table B-I. For the Tag that starts with 067 or 068, see Appendix C, DED 0003. For the Tag that starts with 071, 082, or 110, the transmitted field must be 120 characters, left justified and consisting of either an alphanumeric identifier (Appendix C, DED 0003) or a title (Appendix C, DED 0008) as appropriate for the type of document.

¹⁵ The fields 'Referenced document type' (sequence 49), 'Referenced document source' (sequence 50), and 'Referenced document identifier' (sequence 51), must either all be blank or all be nonblank. The field 'Referenced document revision level' (sequence 52) must be blank if 'Referenced document type' is blank. The series may be repeated as necessary. The combination of values appearing in these fields cannot be the same as the combination of values for 'Document type code' (sequence 1), 'Document source' (sequence 3), 'Document identifier' (sequence 5), and 'Document revision level' (sequence 6).

¹⁶ If the value of 'Document type' (sequence 1) is "IL", then the value in this field must be either "PL" or "IL".

¹⁷ For subpacket 1A: If the value of 'Document type code' (sequence 1) is 'IL' and if the value of 'Referenced document type' (sequence 49) is 'IL', use the Tag that starts with 067; If the value of 'Document type code' is 'IL' and the value of 'Referenced document type' is 'PL', use the Tag that starts with 068. If the value of 'Document type code' is 'DL', use the Tag that starts with 071. If the value of 'Document type code' is 'DWG' or 'PL', use the the Tag that starts with 082.
For subpacket 1B: Use the Tag that starts with 110.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
52 ¹⁵	Referenced document revision level	O	O					067.CILREV067 or 068.PLREVN068 or 071.DLREVN071 or 082.RDOCRV082 or 110.RDOCRV110 ¹⁷	For the Tag that starts with 067, 068, or 071, see Appendix C, DED 0009. For the Tags that starts with 082 or 110, the transmitted field must be 8 characters, left justified and consisting of either an alphanumeric revision (Appendix C, DED 0009), a date (Appendix C, DED 0082), or a software version (Appendix C, DED 0062, only if the document type is 'SW'), as appropriate for the type of document.
53 ¹⁸	Referenced part design source	O ¹⁹	O					084.DESENT210 or 111.DESENT210 ²⁰	The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0069).
54 ¹⁸	Referenced part number	O	O					084.PARNUM210 or 111.PARNUM210 ²⁰	Appendix C, DED 0024
55 ²¹	Referenced material source	O ¹⁹						083.DESENT200	The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0069).

¹⁸ Fields 'Referenced part design source' and 'Referenced part number' (sequence 53 and 54) must either both be blank, or both be nonblank. Repeat this series as necessary. The combination of values in these fields cannot be the same as any combination of values for the fields 'Document source' (sequence 3) and 'Defined part number' (sequence 64) in this subpacket.

¹⁹ Must be blank unless the value of 'Document type code' (sequence 1) is 'DWG' or 'PL'.

²⁰ For subpacket 1A: Use the Tag that starts with 084.
For subpacket 1B: Use the Tag that starts with 111.

²¹ Fields 'Referenced material source', 'Referenced material identifier/name', and 'Referenced material identification (parameters & values)' (sequence 55 through 57) must either all be blank, or all be nonblank. Repeat this series as necessary. The combination of values in these fields cannot be the same as any combination of values for the fields 'Document source' (sequence 3), 'Defined material identifier' (sequence 62), and 'Defined material identification parameters list' (sequence 63) in this subpacket.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
56 ²¹	Referenced material identifier/name	O						083.MATGID200	The transmitted field must be 120 characters, left justified and consisting of either a material specification identifier (Appendix C, DED 0192), or a commercial material name (Appendix C, DED 0191).
57 ²¹	Referenced material identification (parameters & values)	O						083.MATIDN200	Appendix C, DED 0038
58	Parts list	O ²²						See Data Information subpacket 7A	Data Information Packet 7
59	Enterprise identification type code			M				002.ENTTYP002	Appendix C, DED 0050
60	Organization type identifier			O ²³				004.ORGTY004	Appendix C, DED 0095
61	DOD organization type identifier			O ²⁴				034.DODTYP034	Appendix C, DED 0097
62	Standardization document series type code			O ²⁵				408.SERIES408	Appendix C, DED 0242
63	Defined material identifier		O ²⁶	O ²⁶				200.MATGID200	The transmitted field must be 120 characters, left justified and consisting of either a material specification identifier (Appendix C, DED 0192), or a commercial material name (Appendix C, DED 0191).
64 ²⁷	Defined Material identification parameters list		O ²⁶	O ²⁶				200.MATIDN200	Appendix C, DED 0038

²² Must be blank unless either (a) the value of 'document type code' (sequence 1) is 'PL', or (b) the value of 'document type code' is 'DWG' and the value of 'separate parts list flag' (sequence 31) is 'T'.

²³ Mandatory if the value of 'Enterprise identification type code' (sequence 59) is 'ORG'; otherwise, must be blank.

²⁴ Mandatory if the value of 'Organization type identifier' (sequence 60) is 'DOD'; otherwise, must be blank.

²⁵ Mandatory if the value of 'Organization type identifier' (sequence 60) is 'DOD'; otherwise, optional.

²⁶ Mandatory entry if the value of 'Product type code' (sequence 33) is 'M'; must be blank for all other values of 'Product type code'.

²⁷ Repeat the series of fields sequence 62, 63, and 65 as necessary.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
65 ²⁸	Defined Part Number	O ²⁹	O ³⁰	O ³⁰	O ³¹	O ³¹		210.PARNUM210 or 164.PARNUM210 or 166.PARNUM210 ³²	Appendix C, DED 0024
66	Defined Part/Material status code	O ²⁹	O ³³	O ³³				054.PARSTA054 or 105.PARSTA105 or 107.MATSTA107 or 423.PARSTA423 or 437.PARSTA437 or 422.MATSTA422 or 435.MATSTA435 ³⁴	Appendix C, DED 0035

²⁸ For subpacket 1A: Repeat the series of fields sequence 65 through 69 as necessary.
For subpackets 1B and 1C: Repeat the series of fields sequence 65 and 66 as necessary.

²⁹ Must be blank unless the value of 'Document type code' (sequence 1) is 'DWG' or 'PL'.

³⁰ Mandatory if the value of 'Product type code' (sequence 33) is 'P'; must be blank for all other values of 'Product type code'.

³¹ Mandatory if the value of 'Software paradigm' (sequence 33) is 'P'; must be blank for all other cases. This field may be repeated as necessary.

³² For subpackets 1A, 1B, and 1C: Use the Tag that starts with 210.

For subpackets 1D and 1E: If the value of 'Software source enterprise type code' (sequence 72) is 'CAG', use the Tag that starts with 164; if the value of 'Software source enterprise type code' is 'COM', use the Tag that starts with 166. In both cases, a subpacket 1A for the software drawing should have preceded this subpacket.

³³ Must be blank if the value of the 'product type code' (sequence 33) is 'N'; must be nonblank for all other valued of 'product type code'.

³⁴ For subpacket 1A: Use 054.PARSTA054.

For subpacket 1B: Use 105.PARSTA105 and 107.MATSTA107 for parts and materials (respectively).

For subpacket 1C: If the value of 'Enterprise identification type code' (sequence 59) is 'ORG', use 423.PARSTA423 and 422.MATSTA422 for parts and materials (respectively). If the value of 'Enterprise identification type code' is 'CAG', use 437.PARSTA437 and 435.MATSTA435 for parts and materials (respectively).

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
67 ³⁵	Vendor identification	O ³⁶						055.DESENT200 or 056.DESENT210 ³⁷	Transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170)
68 ³⁵	Equivalent vendor part number	O ³⁸						056.VPARNO056	Appendix C, DED 0024
69 ³⁵	Equivalent vendor material identifier	O ³⁸						055.VMATID055	Appendix C, DED 0048
70	Software source identifier						O ³⁹	187.SWSORC170	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), an author's name (Appendix C, DED 0069), or a company name (Appendix C, DED 0170).
71	Software identifier				M	M	M	170.SWIDEN170 or 187.SWIDEN170 ⁴⁰	The transmitted field must be 248 characters, left justified and consisting of either a part identifier (Appendix C, DED 0024), a software alphanumeric identifier (Appendix C, DED 0088), or a software product identifier (Appendix C, DED 0262).
72	Software source enterprise type code				M	M		152.SRCTYP152	Appendix C, DED 0050

³⁵ Repeat 'Vendor identification' (sequence 67) and 'Equivalent vendor part number' (sequence 67) or 'Vendor identification' and 'Equivalent vendor material identification' (sequence 69) as necessary. Sequence 68 and 69 can not both be nonblank.

³⁶ Must be blank unless value of 'Control drawing type code' (sequence 32) is 'P', 'S', 'V' or 'X', in which case, it must be nonblank.

³⁷ Use the Tag that starts with 55 with nonblank 'Equivalent vendor material identifier' (sequence 69); use the Tag that starts with 56 with nonblank 'Equivalent vendor part number' (sequence 68).

³⁸ Must be blank unless 'Vendor identification' (sequence 66) is nonblank.

³⁹ Mandatory if the value of 'document type code' (sequence 1) is 'SWDOC'; otherwise, must be blank.

⁴⁰ For subpackets 1D and 1E: Use the Tag that starts with 170.
For subpacket 1F: Use the Tag that starts with 187.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
73	Software root-identifier				O ⁴¹	O ⁴¹		155.SWROOT155	Appendix C, DED 0190
74	Software dash number				O ⁴¹	O ⁴¹		156.SWDASH156	Appendix C, DED 0222
75	Software compiler name				O	O		151.COMIDN151	Appendix C, DED 0031
76	Software compiler version				O	O		151.COMVER151	Appendix C, DED 0064
77	Computer hardware name				O	O		151.HWNAME151	Appendix C, DED 0031
78	Software linker name				O	O		151.LNKIDN151	Appendix C, DED 0031
79	Software linker version				O	O		151.LNKVER151	Appendix C, DED 0064
80	Operating system name				M	M		151.SYSIDN151	Appendix C, DED 0031
81	Operating system version				O	O		151.SYSVER151	Appendix C, DED 0064
82	Supported graphical drawing revision level	O ⁴²						064.GDWGRV064	Appendix C, DED 0009
83-116	Document Representation subpacket	M	M	M		M ⁴³	M	See Data Information subpacket 10A	Data Information Packet 10
117	Document revision status code	M	M	M	M	M	M	850.REVSTA850	Appendix C, DED 0021
118	Document revision status date	M	M	M	M	M	M	850.STADAT850	Appendix C, DED 0082

⁴¹ Mandatory if the value of 'Software paradigm' (sequence 33) is 'D'; must be blank for all other cases.

⁴² Must be blank unless the value of 'Document type code' is "PL". Repeat as necessary.

⁴³ May be repeated to allow both software source and executable code to be addressed.

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TABLE DIP1-I. Drawings, specifications, standards, software and software support documents

Seq #	Field Name	Data Information Subpacket						Data Element Tag	For content and validation instructions, see
		1A	1B	1C	1D	1E	1F		
119 ⁴⁴	CAGE code of ECP authorizing this revision	O ⁴⁵	O ⁴⁶	O ⁴⁷	O	O		270.ECPCAG250 or 285.ECPCAG250 or 286.ECPCAG250 or 287.ECPCAG250 or 288.ECPCAG250 ⁴⁸	Appendix C, DED 0001
120 ⁴⁴	Identifier of ECP authorizing this revision	O	O	O	O	O		270.ECPNUM250 or 285.ECPNUM250 or 286.ECPNUM250 or 287.ECPNUM250 or 288.ECPNUM250 ⁴⁸	Appendix C, DED 0003

⁴⁴ 'CAGE code of ECP authorizing this revision' and 'Identifier of ECP authorizing this revision' (sequence 119 and 120) must both be blank, or both be nonblank.

⁴⁵ Must be blank unless the value of 'document type code' (sequence 1) is either 'DWG' or 'PL'.

⁴⁶ Must be blank unless the value of 'document source type code' (sequence 2) is 'C'.

⁴⁷ Must be blank unless the value of 'DOD organization type identifier' (sequence 61) is 'OSD' and the 'standardization document series type code' (sequence 61) is 'DEFSPEC'.

⁴⁸ For subpacket 1A: If the value of 'document type code' (sequence 1) is 'DWG', use the Tag that starts with 285; otherwise use the Tag that starts with 286.
For subpacket 1B: Use the Tag that starts with 287.
For subpacket 1C: Use the Tag that starts with 288.
For subpacket 1D or 1E: Use the Tag that starts with 270.

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- d. If the value of 'Product type code' (sequence 33) is 'M' and the value of 'document source type code' (sequence 2) is 'C', then the value of 002.ENTTYP002 is "CAG", the value of 200.SRCTYP200 is "S", the value of 'Document source' (sequence 3) is also entered in 200.ENTIDN002, and the value of 'Document type code' (sequence 1) and 'Document identifier' (sequence 5) are concatenated and entered in 200.MATGID200.

DIP1.2.2.3 Subpacket 1C. The value of 'Document type code' (sequence 1), 010.DOCTYP010 is always "STDDOC".

DIP1.2.2.4 Subpacket 1D and 1E.

- a. The value of 'Document type code' (sequence 1), 010.DOCTYP010 is always "SW".
- b. The value of 'Document source' (sequence 3) is also entered in 170.SWSORC170.
- c. The value of 'Defined part number' (sequence 65) is also entered in 210.PARNUM210.

DIP1.2.2.5 Subpacket 1F.

- a. The value of 'document type code' (sequence 1) is also entered in 170.SVDTYP180 for the software with a 'software source identifier' which is the same value as the entry for 'document source' (sequence 3, 010.SRCIDN010) and a 'software identifier' as included in sequence 66.
- b. The value of 'document identifier' (sequence 5) is also entered in 170.SVDNUM180 for the software with a 'software source identifier' which is the same value as the entry for 'document source' (sequence 3, 010.SRCIDN010) and a 'software identifier' as included in sequence 66.

DIP1.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

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Data Information Packet 2

General Document

DIP2.1. Purpose. Includes information about and may include actual documents (or access to documents) that are ancillary to the configuration definition but necessary to management of the configuration of the deployed product, that are used for logistics support of the product, or that are submitted to the Government for some other purpose. This includes technical manuals/orders and their changes/supplements, decision documents, and other miscellaneous contract data items associated with the product. For documents which define parts or materials, or standardize products, materials or processes (including software) use Data Information Packet 1. For configuration changes or the transfer of CDCA of a previously delivered document, use Data Information Packet 4. For contracts, use Data Information Packet 6.

DIP2.1.1 Subpackets. There are two subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
2A	General documents
2B	Document supplements

DIP2.2. Content of data information packets. The data information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 2A) shall be followed by the various elements in the order shown in Table DIP2-I, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

TABLE DIP2-I. **General document**

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		2A	2B		
1	Document type code	M ¹		010.DOCTYP010	Appendix C, DED 0004
2	Document source type code	M	M	010.ENTTYP010	Table B-I and Appendix C, DED 0100

¹ Must be 'ANALYS', 'BOOK', 'DID', 'MISC', 'PERIODL', 'PLNPROC', 'REPORT', 'TECHMAN', or 'TRD'. (For definitions of these document types, see Appendix C, DED 0004.)

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Data Information Packet 2

TABLE DIP2-I. General document

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		2A	2B		
3	Document source	M	M	010.SRCIDN010	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or the Author's name (Appendix C, DED 0069)..
4	Document identifier type code	M	M	010.IDNTYP010	Appendix C, DED 0101 and Table B-I
5	Supplement document type code		M	601.SUPTYP601	Appendix C, DED 0162
6	Document identifier	M	M	010.DOCIDN010	DIP2.2.1.a
7	Technical manual iteration type code	O ²		554.ITTYPE554	Appendix C, DED 0196
8	Document revision level	M	M	011.DOCREV011	DIP2.2.1.b
9	Supplement issue date		M	611.SISSDT611 or 612.OISSDT612 or 613.RISSDT613 or 614.TOPISS614 ³	Appendix C, DED 0082
10	Originator	M	M	010.ORIGIN010	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069)
11	CDCA	M	M	010.CCENT010	Appendix C, DED 0239
12	CDCA effective date	M	M	010.CCCADT010	Appendix C, DED 0082
13	Document custodian	M	M	011.CUSORG011	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069)
14	Document title	M	M	011.DOCTIT011	Appendix C, DED 0008
15	Preparation date	M	M	011.PREPDT011	Appendix C, DED 0082

² Mandatory if the value of 'document type code' (Sequence 1) is 'TECHMAN'; otherwise, must be blank.

³ Use the Tag that starts with 611 if the value of 'supplement document type code' (Sequence 5) is 'S-SUP'; use the Tag that starts with 612 if the value of sequence 5 is 'O-SUP'; use the Tag that starts with 613 if the value of sequence 5 is 'R-SUP'; use the Tag that starts with 614 if the value of sequence 5 is 'TOPS'.

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TABLE DIP2-I. General document

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		2A	2B		
16	DOD indicator code	O ²		550.DODCOD550	Appendix C, DED 0143
17	Technical manual lead activity indicator	O ²		550.ACQCOD550	Appendix C, DED 0006
18	DOD service identifier	O ⁴		552.SERVID552	Appendix C, DED 0002
19	Navy command identifier	O ⁵		559.NAVCOM559	Appendix C, DED 0002
20-37	Basic Document Protection packet	M	M	See Data Information Subpacket 8A	Data Information Packet 8
38-75 ⁶	Document Representation Subpacket	M	M	See Data Information Subpacket 10A	Data Information Packet 10
76	Document revision status code	M	M	850.REVSTA850	Appendix C, DED 0021
77	Document revision status date	M	M	850.STADAT850	Appendix C, DED 0082

DIP2.2.1 Content instructions.

- a. For all Data Information Subpackets Table B-I and, if the value of 'document identifier type code' (sequence 4) is 'N', see Appendix C, DED 0003. If the value of sequence 4 is 'T', see Appendix C, DED 0008. For Data Information Subpacket 2B, also see the appropriate DED in Appendix C as indicated in Table DIP2-II.

TABLE DIP2-II. Reference document identifier DEDs for supplement documents

Value of Supplement document type code	See DED:
O-SUP	0218
R-SUP	0218
S-SUP	0218
SCN	0149
TM-CHG	0135
TOP-SUP	0218

- b. For Data Information Subpacket 2A, see Appendix C, DED 0009. For Data Information Subpacket 2B, see the appropriate DED in Appendix C as indicated in Table DIP2-III.

⁴ Mandatory if the value of 'DOD indicator code' (Sequence 16) is 'O'; otherwise, must be blank.

⁵ Mandatory if the value of 'DOD service identifier' (Sequence 18) is 'USN'; otherwise, must be blank.

⁶ Repeat this series of fields for each document representation as necessary.

TABLE DIP2-III. Reference revision identifier DEDs for supplement documents

Value of Supplement document type code	See DED:
O-SUP	0244
R-SUP	0244
S-SUP	0244
SCN	0193
TM-CHG	0134
TOP-SUP	0244

DIP2.2.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP2.2.2.1 Subpacket 2B. The value of 'Document type code' (sequence 1), 010.DOCTYP010, is 'DOCSUP'.

DIP2.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

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Data Information Packet 3

Product/Asset Configuration

DIP3.1. Purpose. Includes the basic part/material identification, basic information concerning serialization/lot/block tracking, correlation of serial and lot and block numbers when multiple tracking numbers are used for a single item, actual current configuration (by part and serial/lot number) of fielded hardware/software, and update information concerning changes to fielded hardware/software as a result of modification, maintenance, re-grouping, or retrofit.

DIP3.1.1 Subpackets. There are 8 subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
3A	Basic part/material identification (includes electronic part models)
3B	Basic part/material traceability information
3C	As-built/as delivered configuration
3D	Changes to assemblies (remove & replace, etc.)
3E	Changes as a result of re-grouping
3F	Changes as a result of part modification
3G	NSN assignment
3H	Replacement/superseded/substitute parts/material information and company-assigned equivalent part/material identifiers

DIP3.2. Content of data information subpackets. The data information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 3C) shall be followed by the various elements in the order shown in Table DIP3-I, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element code. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

DIP3.2.1 Content instructions.

- a. For subpackets 3A through 3G, enter the design enterprise of the finished part, material, assembly, or regrouped lot. For subpacket 3H, enter the design enterprise of the replacement, superseding, or substitute part, material, or assembly.
- b. For subpackets 3A through 3G, enter the part number of the finished part, assembly, or regrouped lot or the material identifier of the finished material or regrouped lot. For subpacket 3H, enter the part number or material identifier of the replacement, superseding, or substitute part, material, or assembly.
- c. Enter the product-tracking base-identifier which is the basis for the assignment of unique tracking identifiers. The order of preference for the product-tracking base-identifier is (1) the type and model portion of the configuration item designation (see Appendix B, Table B-II), (2) the drawing number of a tabulated part or assembly drawing, (3) the drawing number of one of the non-tabulated parts (or assemblies) within a group of like items, (4) the specification number of parts or materials defined by a program-unique specification or standardization document, (5) the part number of a standard part, or (6) the material identifier of any material defined in terms like class, grade, type, etc., without a part number.
- d. Enter the identifier and type of the document which defines the part or material.

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Data Information Packet 3

TABLE DIP3-I. Product/asset configuration

Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
1	Part/material design enterprise type code	M								002.ENTTYP002	Appendix C, DED 0050
2	Part/Material design enterprise identifier	M	M	M	M	M	M	M	M	200.DESENT200 or 210.DESENT210 or 240.DESENT210 or 241.DESENT200 or 521.DESENT210 or 522.DESENT210 or 523.DESENT210 or 526.DESENT200 or 529.DESENT210 or 530.DESENT200 ¹	DIP3.2.1.a. The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170).
3	Part/Material identifier	M	M	M	M	M	M	M	M	200.MATGID200 or 210.PARNUM210 or 240.PARNUM210 or 241.MATGID200 or 521.PARNUM210 or 522.PARNUM210 or 523.PARNUM210 or 526.MATGID200 or 529.PARNUM210 or 530.MATGID200 ¹	DIP3.2.1.b and for part numbers (###.PARNUM210) see Appendix C, DED 0024; for materials (###.MATGID200) the transmitted field must be 120 characters, left justified and consisting of either a material specification identifier (Appendix C, DED 0192) or a commercial material name (Appendix C, DED 0191).

¹ For subpackets 3A, 3G, and 3H: Use The Tag that starts with 200 for items not identified by a part number and The Tag that starts with 210 for items identified by a part number.
For subpacket 3B: If the item is identified by a part number and is tracked by a manufacturer's serial number, use The Tag that starts with 521; if it is tracked by a Government-assigned serial number, use The Tag that starts with 522; if it is tracked by a lot number, use The Tag that starts with 523; if it is tracked by a date code, use The Tag that starts with 529. If the item is not identified by a part number and is tracked by a lot number, use The Tag that starts with 526; if it is tracked by a date code, use the Tag that starts with 530.
For subpackets 3C and 3D: If the item is identified by a part number, use the Tag that starts with 240; if the item is not identified by a part number, use the Tag that starts with 241.
For subpacket 3E: If the item is identified by a part number, use the Tag that starts with 523, if the item is not identified by a part number, use the Tag that starts with 526.
For subpacket 3F: If the item is identified by a part number and is tracked by a manufacturer's serial number, use the Tag that starts with 521; if it is tracked by a Government-assigned serial number, use the Tag that starts with 522; if it is tracked by a lot number, use the Tag that starts with 523. If the item is not identified by a part number and is tracked by a lot number, use the Tag that starts with 526.

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TABLE DIP3-I. Product/asset configuration

Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
4	Material identification parameter list	O ²	O ²	O ²	O ²	O ²	O ²	O ²	O ²	200.MATIDN200 or 241.MATIDN200 or 526.MATIDN200 or 530.MATIDN200 ³	Appendix C, DED 0038
5	Part/material name	M						M		200.MATNAM200 or 210.PARNAM209 ⁴	Appendix C, DED 0191 and DED 0113
6	NSN	O						M		200.NSNNUM345 or 210.NSNNUM345 ⁴	Appendix C, DED 0049
7	Product tracking-base source code	O ⁵	M	M	M	M	M			500.TRKSCD500	Appendix C, DED 0103
8	Product-tracking base-identifier	O ⁵	M	M	M	M	M			200.BASNUM500 or 210.BASNUM500 ⁴	DIP3.2.1.c and Appendix C, DED 0056 ⁶

² Mandatory for materials not identified by a part number; must be blank for items identified by a part number.

³ For subpackets 3A and 3G, use the Tag that starts with 200.
For subpacket 3B, if the item is tracked by a lot number, use the Tag that starts with 526; if it is tracked by a date code, use the Tag that starts with 530.
For subpackets 3C and 3D, use the Tag that starts with 241.
For subpackets 3E and 3F, use the Tag that starts with 526.

⁴ Use the Tag that starts with 210 for items identified by part number and the Tag that starts with 200 for items not identified by part number.

⁵ The 'product tracking-base source code' (sequence 7) and the 'product-tracking base-identifier' (sequence 8) are paired fields; either both must be blank, or both must be nonblank.

⁶ If the value of 'product tracking-base source code' (sequence 7) is 'C', see Appendix A, DED 0045; the size of the transmitted field is 43.
If the value of sequence 7 is 'D', the transmitted field size is 44 and consists of the concatenation of the design CAGE code (DED 0001), the drawing alphanumeric identifier (DED 0003), and the document type code (DED 0004) which must have a value of 'DWG'.
If the value of sequence 7 is 'M', the transmitted field size is 192 and consists of the concatenation of the material design enterprise (30 characters, left justified which are either a CAGE code [DED 0001], an organization acronym [DED 0002], or a company name [DED 0170]), the material identifier (120 characters, left justified which is either an alphanumeric identifier [DED 0009] or a material name [DED 0008]), and a material identifying parameter list (DED 0038).
If the value of sequence 7 is 'P', the transmitted field size is 62 and consists of the concatenation of the part design enterprise (30 characters, left justified which are either a CAGE code [DED 0001], an organization acronym [DED 0002], or a company name [DED 0170]) and a part identifier (DED 0024).
If the value of sequence 7 is 'S', the transmitted field size is 69 and consists of the concatenation of the document source enterprise (30 characters, left justified which are either a CAGE code [DED 0001], an organization acronym [DED 0002], or a company name [DED 0170]), a document alphanumeric identifier (DED 0009), and a document type code (DED 0004) which must be 'STDDOC'.
If the value of sequence 7 is 'U', the transmitted field size is 44 and consists of the concatenation of the design CAGE code of the specification (DED 0001), the document alphanumeric identifier (DED 0003), and the document type code (DED 0004) which must be 'P-SPEC'.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
9	Defining document identifier and type code	M								053.DWGNUM050 and 053.DOCTYP010, or 104.DOCNUM020 and 104.DOCTYP010, or 106.MATDOC103, or 201.MATDOC421, or 211.DOCNUM020 and 211.DOCTYP010, or 434.MATDOC433, or 436.DOCNUM020 and 436.DOCTYP010, or 919.DOCIDN919 and 919.DOCTYP010, or 923.MATDOC923, or 924.MATNAM922 ⁷	DIP3.2.1.d and for engineering drawings (053.DWGNUM050 & 053.DOCTYP010), see Appendix C, DEDs 0009 and 0004; for paired document number and type (###.DOCNUM### and ###.DOCTYP###), see Appendix C, DEDs 0003 and 0004; for materials (###.MATDOC###), see Appendix C, DED 0192; for paired document identifier and type (###.DOCIDN### and ###.DOCTYP###), see Appendix C, DEDs 0009 (for alphanumeric identifiers) or 0008 (for document titles), and 0004; for field MATNAM, see Appendix C, DED 0191.

⁷ If the part/material design enterprise type code (sequence 1) is 'CAG' and the item is identified by a part number, use the Tag that starts with 053 for document type 'DWG'; use the Tag that starts with 104 for document type 'P-SPEC'; use the Tag that starts with 211 for document type 'STDDOC'.
If the part/material design enterprise type code is 'CAG' and the item is not identified by a part number, use the Tag that starts with 106 for document type 'P-SPEC'; use the Tag that starts with 434 for document type 'STDDOC'.
If the part/material design enterprise type code is 'ORG' and the item is identified by a part number, use the Tag that starts with 211; if it is not identified by a part number, use the Tag that starts with 201.
If the part/material design enterprise type code is 'COM' and the item is identified by a part number, use the Tag that starts with 919.
If the part/material design enterprise type code is 'COM' and the item is not identified by a part number, use the Tag that starts with 923 for document type 'P-SPEC' or 'STDDOC'; use the Tag that starts with 924 if there is no defining document.

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TABLE DIP3-I. Product/asset configuration

Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
10 ⁸	Can be substituted for/replaces part/material source, or has company stock number ⁹ assigned by								O	206.RMENID206 or 207.RMENID207 or 216.RENTID216 or 217.RENTID217 or 928.COMNAM005 or 929.COMNAM005 ¹⁰	DIP3.2.1.e and for superseded or replaced items (the Tag that starts with 206, 207, 216 or 217), see Appendix C, DED 0001 (for CAGE code), 0002 (for organization acronym), or 0170 (for company name); or for company stock numbers (the Tag that starts with 928 or 929) see Appendix C, DED 0170
11 ⁸	Can be substituted for/replaces part/material identifier, or is company stock number ⁹ of								O	206.RMGNID206 or 207.RMGNID206 or 216.RPARNO216 or 217.RPARNO217 or 928.STKNUM927 or 929.STKNUM927 ¹⁰	DIP3.2.1.e. For superseded or replaced items identified by a part number (Tags starting with 216 or 217), see Appendix C, DED 0024. For company stock numbers (Tags starting with 928 or 929), see Appendix C, DED 0186. For superseded or replaced items not identified by a part number (Tags starting with 206 or 207), the transmitted field must be 120 characters, left justified and consisting of either a material specification identifier (Appendix C, DED 0192) or a commercial material name (Appendix C, DED 0191).

⁸ Either the substitute source and identifier (sequence 10 and 11) must be nonblank, or the substitute NSN (sequence 13) must be nonblank.

⁹ Company stock numbers are alternate identifiers for items for which the company is not the original design activity. They are frequently referred to by terms such as 'company part numbers', 'company equivalent part numbers', or 'internal part numbers'.

¹⁰ If the replacement/superseding/substitute item (in sequence 2, 3, and 4) is identified by a part number and the replaced/superseded item (here) is identified by a part number, use the Tag that starts with 216; if the replaced/superseded item (here) is not identified by a part number, use the Tag that starts with 207; if this is a company stock number, use the Tag that starts with 929.
If the replacement/superseding/substitute item (in sequence 2, 3, and 4) is not identified by a part number and the replaced/superseded item (here) is identified by a part number, use the Tag that starts with 217; if the replaced/superseded item (here) is not identified by a part number, use the Tag that starts with 206; if this is a company stock number, use the Tag that starts with 928.

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TABLE DIP3-I. Product/asset configuration

Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
12	Can be substituted for/replaces material identification parameter list.								O ¹¹	206.RMMTID206 or 207.RMMTID207 ¹²	DIP3.2.1.e and Appendix C, DED 0038
13 ⁸	Can be substituted for/replaces NSN								O	346.OLDNSN346	Appendix C, DED 0049
14	Replacement type code								M	206.REPTYTP206 or 207.REPTYTP207 or 216.REPTYTP216 or 217.REPTYTP217 or 34628.REPTYTP346 or DIP4H.13 ¹³	Appendix C, DED 0106
15	Interchangeability code								O	206.ONEWAY206 or 207.ONEWAY207 or 216.ONEWAY216 or 217.ONEWAY217 ¹³	Appendix C, DED 0063

¹¹ Mandatory for materials not identified by a part number; must be blank for items identified by a part number.

¹² If the replacement/superseding/substitute item (in sequence 2, 3, and 4) is identified by a part number and the replaced/superseded item (here) is not identified by a part number, use the Tag that starts with 207.
If the replacement/superseding/substitute item (in sequence 2, 3, and 4) is not identified by a part number and the replaced/superseded item (here) is not identified by a part number, use the Tag that starts with 206.

¹³ If the replaced NSN (sequence 13) is nonblank, use the Tag that starts with 328.
If the replaced NSN (sequence 13) is blank, the replacement/superseding/substitute item (in sequence 2, 3, and 4) is identified by a part number, and the replaced/superseded item (sequence 10 and 11) is identified by a part number, use the Tag that starts with 216; if the replaced/superseded item (sequence 10 through 12) is not identified by a part number, use the Tag that starts with 207.
If the replaced NSN (sequence 13) is blank, the replacement/superseding/substitute item (in sequence 2, 3, and 4) is not identified by a part number, and the replaced/superseded item (sequence 10 and 11) is identified by a part number, use the Tag that starts with 217; if the replaced/superseded item (sequence 10 through 12) is not identified by a part number, use the Tag that starts with 206.
If the item identifier (sequence 10 and 11) is a company stock number, use DIP3H.13 and enter a value of 'C'.

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TABLE DIP3-I. Product/asset configuration

Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
16	Manufacturer identifier		M	M	M	M	M			515.MFRCAG515 or 242.AMFRCG242 or 243.AMFRCG243 or 244.AMFRCG244 or 245.MFRCAG515 or 524.RMFRCG524 or 527.RMFRCG527 or 531.MFRCAG515 or 532.MFRCAG515 or 533.MFRCAG515 or 534.MFRCAG515 ¹⁴	DIP3.2.1.f and Appendix C, DED 0001
17	Date of manufacture, maintenance, modification, retrofit, or regrouping action		M	M	M	M	M			515.MFRDAT515 or 242.STATDT242 or 243.STATDT243 or 244.STATDT244 or 245.STATDT245 ¹⁵	DIP3.2.1.g and Appendix C, DED 0082
18	Time of manufacture, maintenance, modification, retrofit, or regrouping action		M	M	M	M	M			242.STATTM242 or 243.STATTM243 or 244.STATTM244 or 245.STATTM245 ¹⁵	DIP3.2.1.h and Appendix C, DED 0160

¹⁴ For subpacket 3B: Use the Tag that starts with 515.

For subpackets 3C and 3D: If the assembly item (sequence 2 through 4) is identified by a part number and if the component item product type code (sequence 25) is 'P', use the Tag that starts with 242; if it is 'M', use the Tag that starts with 243; if it is 'S', use the Tag that starts with 245. If the assembly item (sequence 2 through 4) is not identified by a part number, the component item product type code (sequence 25) must be 'M'; use the Tag that starts with 244.

For subpacket 3E: If the assembly item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 524; if it is not identified by a part number, use the Tag that starts with 527.

For subpacket 3F: If the product tracking number type code (sequence 19) is 'M', use the Tag that starts with 531; if it is 'G', use the Tag that starts with 532; if it is 'L' and the modified item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 533 but if it is not identified by a part number, use the Tag that starts with 534.

¹⁵ For subpackets 3B, 3E, and 3F: Use the Tag that starts with 515.

For subpackets 3C and 3D: If the assembly item (sequence 2 through 4) is identified by a part number and if the component item product type code (sequence 25) is 'P', use the Tag that starts with 242; if it is 'M', use the Tag that starts with 243; if it is 'S', use the Tag that starts with 245. If the assembly item (sequence 2 through 4) is not identified by a part number, the component item product type code (sequence 25) must be 'M'; use the Tag that starts with 244.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
19	Product tracking number type code and sequentially-assigned tracking identifier		M	M	M	M	M			515.TRKTYP515 and 515.TRKIDN515, or 242.ATTRKID242, or 243.ATTRKID243, or 244.ATTRKID244, or 245.TRKTYP515 and 245.TRKIDN515, or 524.RLOTNO524, or 527.RLOTNO527, or 531.MSNNUM516, or 532.GSNNUM517, or 533.LOTNUM518, or 534.LOTNUM518 ¹⁴	DIP3.2.1.i and for paired tracking type and identifiers (###.TRKTYP515 & ###.TRKIDN515), see Appendix C, DEDs 0057 and 0058; for all others, see Appendix C, DED 0175
20	Modification performed by						M			531.RMFRCG531 or 532.RMFRCG532 or 533.RMFRCG533 or 534.RMFRCG534 ¹⁶	DIP3.2.1.j and Appendix C, DED 0001
21 ¹⁷	Alternate product tracking number type code		O			O				515.TRKTYP515	DIP3.2.1.k and Appendix C, DED 0057

¹⁶ If the product tracking number type code (sequence 19) is 'M', use the Tag that starts with 531; if it is 'G', use the Tag that starts with 532; if it is 'L' and the modified item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 533 but if it is not identified by a part number, use the Tag that starts with 534.

¹⁷ The series of fields consisting of 'alternate product tracking number type code' and 'alternate product tracking identifier' (sequence 21 and 22) may be repeated as necessary.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
22 ¹⁷	Alternate product tracking identifier		O			O				521.BLKNUM520 or 521.LOTNUM518 or 522.BLKNUM520 or 522.LOTNUM518 or 522.MSNNUM516 or 525.BLKNUM520 or 528.BLKNUM520 ¹⁸	DIP3.2.1.k and Appendix C, DED 0175
23	Lot size (quantity and unit of measure)		O ¹⁹			O ²⁰	O ²⁰			523.QUANTITY523 and 523.UOMCOD523, or 524.QUANTITY524 and 524.UOMCOD524, or 526.QUANTITY526 and 526.UOMCOD526, or 527.QUANTITY527 and 527.UOMCOD527, or 529.QUANTITY529 and 529.UOMCOD529, or 530.QUANTITY530 and 530.UOMCOD530 ²¹	Appendix C, DEDs 0019 and 0054

¹⁸ If the item is identified by a part number (sequence 4 is blank) and if the 'Product tracking number type code' (in sequence 19) is 'G' and the 'Alternate product tracking number type code' (sequence 21) is 'L', use 522.LOTNUM518; if it is 'M', use 522.MSNNUM516; if it is 'B', use 522.BLKNUM520.
If the item is identified by a part number (sequence 4 is blank) and if the 'Product tracking number type code' (in sequence 19) is 'M' and the 'Alternate product tracking number type code' (sequence 21) is 'L', use 521.LOTNUM518; if it is 'B', use 521.BLKNUM520.
If the item is identified by a part number (sequence 4 is blank) and if the 'Product tracking number type code' (in sequence 19) is 'L' and the 'Alternate product tracking number type code' (sequence 21) is 'B', use 525.BLKNUM520.
If the item is not identified by a part number (sequence 4 is nonblank) and if the 'Product tracking number type code' (in sequence 19) is 'L' and the 'Alternate product tracking number type code' (sequence 21) is 'B', use 528.BLKNUM520.

¹⁹ Mandatory if the 'product tracking number type code' (sequence 19) or 'alternate product tracking number type code' (sequence 21) is 'D' or 'L'; otherwise, must be blank.

²⁰ Mandatory if the 'product tracking number type code' (sequence 19) or 'alternate product tracking number type code' (sequence 21) is 'L'; otherwise, must be blank.

²¹ For subpackets 3B and 3F: If the item (sequence 2 through 4) is identified by a part number and the 'product tracking number type code' (sequence 19) or 'alternate product tracking number type code' (sequence 21) is 'L', use the Tag that starts with 523; if it is 'D', use the Tag that starts with 529. If the item (sequence 2 through 4) is not identified by a part number and the code or alternate code (sequence 19 or 21) is 'L', use the Tag that starts with 526; if the code is 'D', use the Tag that starts with 530.
For subpacket 3E: If the item (sequence 2 through 4) is identified by a part number and the 'product tracking number type code' (sequence 19) or 'alternate product tracking number type code' (sequence 21) is 'L', use the Tag that starts with 524; if the item is not identified by a part number and the code or alternate code (sequence 19 or 21) is 'L', use the Tag that starts with 527.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
24	Assembly status code				M					242.STATCD242 or 243.STATCD243 or 244.STATCD244 or 245.STATCD245 ²²	DIP3.2.1.1 and Appendix C, DED 0174
25	Component item product type code			M	M					DIP3.24	DIP3.2.1.m
26	Component item design enterprise identifier			M	M		M			242.CENTID242 or 243.CENTID243 or 244.CENTID244 or 245.SWSORC170 or 531.OESEN531 or 532.OESEN532 or 533.OESEN533 or 534.OESEN534 ²³	DIP3.2.1.n and Appendix C, DEDs 0001 (for CAGE code), 0002 (for organization acronym), or 0170 (for company name)

²² If the assembly item (sequence 2 through 4) is identified by a part number and if the 'component item product type code' (sequence 25) is 'P', use the Tag that starts with 242; if it is 'M', use the Tag that starts with 243; if it is 'S', use the Tag that starts with 245. If the assembly item (sequence 2 through 4) is not identified by a part number, the 'component item product type code' (sequence 25) must be 'M'; use the Tag that starts with 244.

²³ For subpackets 3C and 3D: If the component item product type code (sequence 25) is 'P', use the Tag that starts with 242; if it is 'S', use the Tag that starts with 245; if it is 'M' and the assembly item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 243, but if it is not identified by a part number, use the Tag that starts with 244.
For subpacket 3F: If the product tracking number type code (sequence 19) is 'M', use the Tag that starts with 531; if it is 'G', use the Tag that starts with 532; if it is 'L' and the modified item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 533, but if it is not identified by a part number, use the Tag that starts with 534.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
27	Component item part/material/software identifier			M	M		M			242.CPARNO242 or 243.CMATGI243 or 244.CMATGI244 or 245.SWIDEN170 or 531.OPARNO531 or 532.OPARNO532 or 533.OPARNO533 or 534.OMATGI534 ²³	DIP3.2.1.o. For Tags that start with 242, 531, 532, or 533: Appendix C, DED 0024. For Tags that start with 243, 244, or 534: the transmitted field must be 120 characters, left justified and consisting of either a material specification identifier (Appendix C, DED 0192) or a material name (Appendix C, DED 0191). For 245.SWIDEN170: the transmitted field must be 248 characters, left justified and consisting of either a software alphanumeric identifier (Appendix C, DED 0088), a part number (Appendix C, DED 0024), or a software product identifier (Appendix C, DED 0262).
28	Component item material identification parameter list			O	O		O			243.CMATID243 or 244.CMATID244 or 534.OMATID534 ²⁴	DIP3.2.1.p and Appendix C, DED 0038
29	Component item manufacturer identifier			M	M	M				242.CMFRCG242 or 243.CMFRCG243 or 244.CMFRCG244 or 524.CMFRCG524 or 527.CMFRCG527 ²⁵	DIP3.2.1.q and Appendix C, DED 0001
30	Component item tracking type code and tracking identifier			O	O	M				242.CTRKID242 or 243.CTRKID243 or 244.CTRKID244 or 524.CLOTNO524 or 527.CLOTNO527 ²⁵	DIP3.2.1.r and Appendix C, DED 0175

²⁴ For subpackets 3C and 3D, if the component item product type code (sequence 25) is 'M' and the assembly item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 243, but if it is not identified by a part number, use the Tag that starts with 244. In all other cases it must be blank.

For subpacket 3F, if the modified item (sequence 2 through 4) is not identified by a part number, this entry is mandatory; use the Tag that starts with 534. In all other cases it must be blank.

²⁵ For subpackets 3C and 3D, if the component item product type code (sequence 25) is 'P', use the Tag that starts with 242; if it is 'M' and the assembly item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 243, but if it is not identified by a part number, use the Tag that starts with 244.

For subpacket 3E, if the regrouped item (sequence 2 through 4) is identified by a part number, use the Tag that starts with 524, but if it is not identified by a part number, use the Tag that starts with 527.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
31	Component item quantity & unit of measure			M	M	M				242.QUANTITY242 and 242.UOMCOD242, or 243.QUANTITY243 and 243.UOMCOD243, or 244.QUANTITY244 and 244.UOMCOD244, or 524.QUANTITY524 and 524.UOMCOD524, or 527.QUANTITY527 and 527.UOMCOD527 ²⁵	DIP3.2.1.s and Appendix C, DEDs 0019, 0053, and 0054
32	Defined Part/Material release date	O								200.RELDAT200 or 210.RELDAT210 ²⁶	Appendix C, DED 0082
33	Defined Part/Material supply shelf life code	O								200.SHLFCD200 or 210.SHLFCD210 ²⁶	Appendix C, DED 0094
34	Defined Part/material service life period and unit	O								200.SRVCCD200 and 200.SRVCQY200, or 210.SRVCCD210 and 210.SRVCQY210 ²⁶	Appendix C, DEDs 0086 and 0232
35	Defined Part/Material electrostatic discharge code	M								200.STATIC200 or 210.STATIC200 ²⁶	Appendix C, DED 0074
36	Defined Part/Material unit weight	O ²⁷								210.PARWGT210 and 210.WGTCOD210	Appendix C, DEDs 0054 and 0114
37	Defined Part/Material supply hazardous material code	O								200.HAZMAT200 or 210.HAZMAT210 ²⁶	Appendix C, DED 0078
38	Defined Part/Material precious metals code	O								200.METALS200 or 210.METALS210 ²⁶	Appendix C, DED 0093
39	Part model revision	O ²⁷								231.PMODRV231	Appendix C, DED 0009
40-75	Part model file	O ²⁸								See Data Information Packet 9A	Data Information subpacket 9A

²⁶ If the part/material identification (sequence 2 through 4) is identified by a part number, use the Tag that starts with 210; if it is not identified by a part number, use the Tag that starts with 200.

²⁷ Must be blank unless the part/material (sequence 2 through 4) is identified by a part number.

²⁸ Must be blank if the value of 'Part model revision' (sequence 39) is blank.

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Seq #	Field Name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		3A	3B	3C	3D	3E	3F	3G	3H		
76 ²⁹	Source of implemented/incorporated deviation/modification instruction		O	O	O	O	O			362.RFDCAG350 or 363.RFDCAG350 or 364.RFDCAG350 or 535.RFDCAG350 or 536.MINSRC460 ³⁰	DIP3.2.1.t and for RFDs, Appendix C, DEDs 0001; for Modification Instructions, Appendix C, D (for CAGE code), 0002 (for organization acronym), or 0170 (for company name)
77 ²⁹	Identifier of implemented/incorporated deviation/modification instruction		O	O	O	O	O			362.RFDNUM350 or 363.RFDNUM350 or 364.RFDNUM350 or 535.RFDNUM350 or 536.MINNUM460 ³⁰	DIP3.2.1.t and Appendix C, DED 0003
78 ²⁹	Document type of implemented/incorporated deviation/modification instruction		O							362.RFDTYP350 or 363.RFDTYP350 or 364.RFDTYP350 or 535.RFDTYP350 or 536.MINTYP460 ³⁰	DIP3.2.1.t, DIP3.2.1.u, and Appendix C, DED 0004

²⁹ The fields in this series must either be all blank, or all nonblank. This series (sequence 76 through 78) may be repeated as necessary for this part/material.

³⁰ For subpacket 3B: If the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'RFD', use the Tag that starts with 535. If the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'MODINST', use the Tag that starts with 536.
For subpacket 3C: If the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'RFD', use the Tag that starts with 535.
For subpackets 3D, 3E, and 3F: If the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'RFD' and the value of 'Component item product type code' (sequence 25) is 'P', use the Tag that starts with 362; if the value of the 'Component item product type code' is 'M', use the Tag that starts with 363; if the value of 'Component item product type code' is 'S', use the Tag that starts with 364.

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- e. Enter the identification of the part or material which is being superseded or replaced by sequence 2 through 4, or for which sequence 2 through 4 has been assigned as a substitute, or enter the company and company-assigned stock number³¹ for the item in sequence 2 through 4.
- f. Enter the CAGE code of the manufacturer of the item in sequence 2 through 4.
- g. Enter the date of manufacture of the item in sequence 2 through 4.
- h. Enter the time of assembly, maintenance, retrofit, modification, or regrouping of the item in sequence 2 through 4. For subpacket 3C, time can be entered as 000000. For subpackets 3D, 3E, and 3F, time can be estimated to the nearest quarter hour unless more precision is required to identify sequentially performed changes.
- i. Enter the code for the method of tracking (for example: by serial number, by lot, etc.)³² and the associated product tracking number (for example: serial number, etc.) for the item(s) built and identified in sequence 2 through 4.
- j. Enter the CAGE code of the organization performing the modification.
- k. Enter the code for the alternate method of tracking (for example: by serial number, by lot, etc.) and the associated product tracking number (for example: serial number, etc.) for the item(s) built and identified in sequence 2 through 4. See Table DIP3-II for suitable alternate types of tracking identifiers.

TABLE DIP3-II. Suitable alternate types of tracking identifiers

If the primary tracking identifier is:	Then suitable alternates include:
Block number	lot number
Date code	[none]
Government-assigned serial number	manufacturer-assigned serial number, lot number, block number
Lot number	block number
Manufacturer-assigned serial number	Government-assigned serial number, lot number, block number

- l. Indicate whether the component is being reported as removed or installed.
- m. Identify the type of item reported in sequence 26 through 31. The allowable values are: 'P' (for part-numbered item), 'M' (for item not identified by a part number), and 'S' (for software, regardless of how identified).
- n. For subpackets 3C and 3D, enter the design enterprise identifier of the part/material/subassembly/software which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3F, enter the design enterprise identifier of the part or material before it was modified into the new part/material identified in sequence 2 through 4.
- o. For subpackets 3C and 3D, enter the identifier of the part/material/subassembly/software which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3F, enter the identifier of the part or material before it was modified into the new part/material identified in sequence 2 through 4.

³¹ Company stock numbers are alternate identifiers for items for which the company is not the original design activity. They are frequently referred to by terms such as 'company part numbers', 'company equivalent part numbers', or 'internal part numbers'.

³² 'Block number' is not acceptable in this field.

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- p. For subpackets 3C and 3D, enter the material identification parameter list of the material which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3F, enter the material identification parameter list of the material before it was modified into the new part/material identified in sequence 2 through 4.
- q. For subpackets 3C and 3D, enter the CAGE code of the manufacturer of the part/material/subassembly which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3E, enter the CAGE code of the manufacturer of the part/material before it was regrouped into the new lot identified in sequence 19.
- r. For subpackets 3C and 3D, if the component item is a tracked item (has a serial number, lot number, etc.) enter the tracking method (tracking type code) and the tracking identifier of the part/material/subassembly which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3E, enter the tracking method (tracking type code) and the tracking identifier of the part/material before it was regrouped into the new lot identified in sequence 19.
- s. For subpackets 3C and 3D, enter the quantity and unit of measure of the part/material/subassembly which is installed or removed as a component of the assembly defined in sequence 2 through 4. For subpacket 3E, enter the quantity and unit of measure of the component part/material which was regrouped into the new lot identified in sequence 19.
- t. For subpacket 3D, enter the identification of the RFD(s) that has been incorporated into this item. For subpackets 3B, 3C, 3E, and 3F, enter the identification of the RFD(s) and modification instructions (for example: MWOs, TCTOs, etc.) that have been incorporated into this item.
- u. The value of 'Document type of implemented/incorporated deviation/modification instruction' is either 'RFD' or 'MODINST'.

DIP3.2.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP3.2.2.1 Subpacket 3A. For the defining document (sequence 9) the document source identifier (053.DESAG053, 104.DESAG104, 106.DESAG106, 201.DESORG421, 211.DESORG420, 434.DESAG434, 436.DESAG436, 919.DESCOM919, 923.DESCOM923, or 924.DESCOM921) is the same as the part/material design enterprise (sequence 2).

DIP3.2.2.2 Subpacket 3B. The product-tracking base-identifier (sequence 8) is also used in 515.BASNUM500.

DIP3.2.2.3 Subpacket 3C.

- a. The Part/material design enterprise identifier (sequence 2) also identifies the assembly design source (242.AENTID242, 243.AENTID243, 244.AENTID244, or 245.DESENT210).
- b. The Part/material identifier (sequence 3) also identifies the assembly (242.APARN0242, 243.APARN0243, 244.AMATGI244, or 245.PARNUM210).
- c. The Material identification parameter list (sequence 4) also identifies the assembled material identification parameter list (244.AMATID244).

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- d. The product-tracking base-identifier (sequence 8) is also used in 515.BASNUM500 and either 240.BASNUM500 (if this item is identified by a part number) or 241.BASNUM500 (if this item is not identified by a part number).
- e. The assembly status code 242, 243, 244 or 245 (sequence) follows the same rules as subpacket 3D sequence 24, but always has a value of 'T'.
- f. If the value of 'Source of implemented/incorporated deviation/modification instruction' (sequence 76) is nonblank, the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'RFD'.

DIP3.2.2.4 Subpacket 3D.

- a. The Part/material design enterprise identifier (sequence 2) also identifies the assembly design source (242.AENTID242, 243.AENTID243, 244.AENTID244, or 245.DESENT210).
- b. The Part/material identifier (sequence 3) also identifies the assembly (242.APARNO242, 243.APARNO243, 244.AMATGI244, or 245.PARNUM210).
- c. The product-tracking base-identifier (sequence 8) is also used in 515.BASNUM500 and either 240.BASNUM500 (if this item is identified by a part number) or 241.BASNUM500 (if this item is not identified by a part number).
- d. If the value of 'Source of implemented/incorporated deviation/modification instruction' (sequence 76) is nonblank, the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'MODINST'.

DIP3.2.2.5 Subpacket 3E.

- a. The product-tracking base-identifier (sequence 8) is also used in 515.BASNUM500.
- b. If the value of 'Source of implemented/incorporated deviation/modification instruction' (sequence 76) is nonblank, the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'MODINST'.

DIP3.2.2.6 Subpacket 3F.

- a. The product-tracking base-identifier (sequence 8) is also used in 515.BASNUM500.
- b. If the value of 'Source of implemented/incorporated deviation/modification instruction' (sequence 76) is nonblank, the value of 'Document type of implemented/incorporated deviation/modification instruction' (sequence 78) is 'MODINST'.

DIP3.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

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Data Information Packet 4

Configuration Change Control

DIP4.1. Purpose. Includes information concerning requests for change/modification of engineering designs and/or fielded equipment/software.

DIP4.1.1 Subpackets. There are 10 subpackets for this packet. ECPs have been separated into multiple subpackets to assist in limiting Government oversight of contractors.

<u>Subpacket</u>	<u>Applicability</u>
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4A	Class II ECPs which includes document "from/to" information
4B	Class II ECPs which do not include document "from/to" information
4C	Message Class I ECPs
4D	Preliminary Class I ECPs
4E	Final Class I ECPs which address logistics impact information
4F	Final Class I ECPs which do not address logistics impact information
4G	RFD
4H	Modification Request
4I	Modification Instruction
4J	Notice of revision (This subpacket is not a stand-alone subpacket; can be used only in conjunction with subpacket 4A through 4F.)

(For definitions of Class I and Class II, see Appendix C, DED 0164; for definitions of message, preliminary, and final ECPs, see Appendix C, DED 0194.)

DIP4.1.2. Selection of data information subpackets.

- a. Subpacket 4A should be used for Class II (minor) ECPs when either (1) the Government is the CDCA of the document(s) being changed, (2) the Government tasking organization is responsible for determining the logistics impact of proposed changes (build-to-print or off-the-shelf buys), or (3) the organization that prepares the engineering change is not the CDCA.
- b. Subpacket 4B should be used for Class II (minor) ECPs when the nongovernment organization preparing the ECP is the CDCA for the document(s) being changed and is either responsible for identifying the logistics impact of the proposed change or for providing logistics support for the item.
- c. Subpacket 4E should be used for Class I (major) ECPs when either (1) the Government has tasked the nongovernment performing activity to identify logistics impacts of proposed changes, or (2) the Government has prepared the ECP and is responsible for determining the impact of the ECP on logistics support that will be performed by the Government.
- d. Subpacket 4F should be used for Class I (major) ECPs when either (1) the nongovernment organization (either as performing or tasking activity) is responsible for the logistics support of the finished item, or (2) the Government tasking activity is responsible for the logistics support of the finished item and the nongovernment performing activity is preparing the ECP. If the responsibility for performing logistics support for the delivered item is shared between a Government tasking activity and a nongovernment performing activity, use subpacket 4E.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see	
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J			
Identification and administrative information:														
1	Document source identification type code								M	M		010.ENTTYP010	Appendix C, DED 0100	
2	ECP/NOR/RFD CAGE code/modification request/instruction source ¹	M	M	M	M	M	M	M	M	M	M	010.SRCIDN010	Table B-I and Appendix C, DED 0001 (for CAGE codes), DED 0002 (for organization acronyms), or DED 0170 (for company names).	
3	Document identification type code								M	M		010.IDNTYP010	Appendix C, DED 0101	
4	ECP/NOR/RFD/modification request/modification instruction identifier ²	M	M	M	M	M	M	M	M	M	M	010.DOCIDN010	Table B-I and appendix C, DED 0003 (for alphanumeric identifiers) or DED 0008 (for documents identified by title).	
5	ECP/NOR/RFD/modification request/modification instruction revision	M	M	M	M	M	M	M	M	M	M	011.DOCREV011	DIP4.2.1.a and Appendix C, DED 0009 (for revisions identified by alphanumeric characters) or DED 0082 (for revisions identified by a date)	
6	ECP/NOR/RFD/modification request/modification instruction title	M	M	M	M	M	M	M	M ³	M ³	M	011.DOCTIT011	Appendix C, DED 0008	
7-24	Basic document protection subpacket	M	M	M	M	M	M	M	M	M	M	See Data Information Subpacket 8A	Data Information Packet 8	
25	DOD indicator code									M		460.DODCOD460	Appendix C, DED 0143	

¹ This is the identity of the organization whose identifier is assigned as the unique identifier of the ECP/RFD/modification request/modification instruction/NOR. For ECPs, RFDs, and NORs, it must be a valid CAGE code or NSCM. For modification requests and modification instructions, the type of organization identifier is dependent on the value of the 'document source identification type code' (sequence 1).

² This identifier, together with the source in sequence 2, shall uniquely identify the ECP/RFD/modification request/modification instruction/NOR. The type of document identifier is dependent on the value of the document identification type code (sequence 3).

³ Mandatory if the value of the 'document identification type code' (sequence 3) is 'N'.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
26	Modification request/ instruction type code								O	O ⁴		450.MODSUB450 or 462.MINSUB462 ⁵	Appendix C, DEDs 0141 (for subpacket 4I) or DED 0142 (for subpacket 4G)
27	RFD Class code							M				351.RFD006351	Appendix C, DED 0125
28	Priority			M ⁶	M	M	M			O ⁷		289.ECP070289 or 465.CATCOD465 or 466.PRICOD466 or 467.PRICOD467 ⁸	DIP4.2.1.b (for subpacket 4C only) and Appendix C, DEDs 0166 (for subpackets 4C through 4F) or DEDs 0246, 0247, and 0248 (for subpacket 4I)
29	Justification Code			M	M	M	M					289.ECP060289	Appendix C, DED 0165. If more than one of these codes are applicable, the one which is the most descriptive or significant is assigned to the ECP.
30	CDCA	M	M	M	M	M	M	M	M	M	M	010.CCCENT010	DIP4.2.1.c and Appendix C, DED 0239
31	CDCA effective date	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	010.CCCADT010	Appendix C, DED 0082
32	Current Status	M	M	M	M	M	M	M	M	M	M	294.REVSTA850 or 373.REVSTA850 or 308.REVSTA850 or 850.REVSTA850 ¹⁰	DIP4.2.1.d, Appendix B, Figures B-1 through B-7, and Appendix C, DED 0021 (document-revision-approval-process- disposition-status-code)

⁴ Mandatory if the value of the DoD indicator code (sequence 25) is 'D'.

⁵ For subpacket 4H: Use the Tag that starts with 450
For subpacket 4I: Use the Tag that starts with 462.

⁶ Priority must have a value of "U" or "E", unless the value of justification code (sequence 29) is 'C', in which case, "R" is also acceptable.

⁷ Mandatory if the value of 'Modification instruction type code' (sequence 26) is 'TECHDIR', 'MWO', or 'TCTO'.

⁸ For subpackets 4C through 4F: Use the Tag that starts with 289.
For subpacket 4I: If the value of 'Modification instruction type code' (sequence 26) is 'TECHDIR', use the Tag that starts with 465; if it is 'TCTO', use the Tag that starts with 466; if it is 'MWO', use the Tag that starts with 467.

⁹ Mandatory on first submittal (revision '-'); optional on all subsequent revisions.

¹⁰ For subpackets 4A through 4F: Use the Tag that starts with 294
For subpacket 4G: Use the Tag that starts with 373
For subpackets 4H and 4I: Use the Tag that starts with 850
For subpacket 4J: Use the Tag that starts with 308.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
33	Status Date	M	M	M	M	M	M	M	M	M	M	294.STADAT850 or 373.STADAT850 or 308.STADAT850 or 850.STADAT850 ¹⁰	DIP4.2.1.e and Appendix C, DED 0082
34	Originator	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	O ⁹	010.ORIGIN010	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), a company name (Appendix C, DED 0170), an organization acronym (Appendix C, DED 0002), or an author's name (Appendix C, DED 0069)
35 ¹¹	Application Activity	O			O	O						861.APPACT033	DIP4.2.1.f. The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), a company name (Appendix C, DED 0170), or an organization acronym (Appendix C, DED 0002)
36 ¹¹	AA Status ¹²	O			O	O						861.AREVST861	Appendix B, Figures B-4 through B-7, and Appendix C, DED 0021 (document-revision-application-activity-approval-process-disposition-status-code)
37 ¹¹	AA Status date ¹³	O			O	O						861.AREVD861	Appendix C, DED 0082
38	In production?	M	M		M	M	M					251.ECP170251	Appendix C, DED 0223
39	PAN year ¹⁴	O	O		O	O	O	O				671.YEARNO670 or 672.YEARNO670 ¹⁵	Appendix C, DED 0219

¹¹ 'Application activity', 'AA status' and 'AA status date' may be repeated as a series as many times as necessary.

¹² This field must be blank if 'Application Activity' is blank.

¹³ This field must be blank if AA status is blank.

¹⁴ 'PAN year' (sequence 39) and 'PAN number' (sequence 40) are paired fields; either both must be blank, or both must be nonblank. They are always blank for initial release (revision '-'). These fields only apply to information subpackets generated by, or submitted to, Army activities.

¹⁵ For subpackets 4A through 4F: Use the Tag that starts with 671.
For subpacket 4G: Use the Tag that starts with 672.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
40	PAN number ¹⁴	O	O		O	O	O	O				671.PANNUM670 or 672.PANUNM670 ¹⁵	Appendix C, DED 0178
41	Baseline affected	M ¹⁶	M ¹⁶	M ¹⁶	M ¹⁶	M ¹⁶	M ¹⁶	M				254.BLTYPE254 or 351.BLYTPE351 ¹⁷	Appendix C, DED 0098
42	Primary/related ¹⁸ ECP/ sequentially implemented ¹⁹ ECP/recurring deviation indicator flag	M ²⁰	M ²⁰		O ²⁰	M ²⁰	M ²⁰	M				250.PECPFG250 or 351.RFD018351 ²¹	Appendix C, DED 0187
43	Primary/dependent ECP or prior deviation CAGE ²²	O ²³	O ²³		O ²³	O ²³	O ²³	O ²³		O		253.PECPG253 or 359.PRFDG359 or 493.ECPCAG350 ²⁴	DIP4.2.1.g and Appendix C, DED 0001

¹⁶ Repeat this field if more than one type of baseline is affected.

¹⁷ For subpackets 4A through 4F: Use 254.BLTYPE254
For subpacket 4G: Use 351.BLYTPE351.

¹⁸ When an engineering proposal affects documents controlled by more than one CDCA, or when more than one performing activity is involved in accomplishing the change, related ECPs must be prepared. A separate ECP must be prepared for each package of documents controlled by a single CDCA which are to be changed to accomplish this proposed change. One of these ECPs is designated as the "Primary" ECP and the others are designated as "Related" ECPs.

¹⁹ When previously approved engineering changes must be implemented in a specific sequence in relation to this proposed change, such order shall be specified.

²⁰ For subpacket 4A through 4F, if this is a primary or related ECP, enter either 'P' or 'R', respectively. If this is an ECP which is dependent on the implementation of another ECP and therefore must be implemented in a particular sequence, enter 'S'. If this ECP is independent and neither of these cases apply, enter 'N'.

²¹ For subpackets 4A through 4F: Use the Tag that starts with 250.
For subpacket 4G: Use the Tag that starts with 350.

²² 'Primary/dependent ECP or recurring deviation CAGE' and 'Primary/dependent ECP or recurring deviation identifier' (sequence 43 and 44) are paired fields, either both must be blank, or both must be nonblank.

²³ For subpackets 4A through 4F: This field is mandatory if the value of 'Primary ECP/recurring deviation indicator flag' (sequence 42) is 'R' or 'S'; otherwise, must be blank.
For subpacket 4G: This field is mandatory if the value of 'Primary ECP/recurring deviation indicator flag' is 'Y'; otherwise must be blank.

²⁴ For subpackets 4A through 4F: Use the Tag that starts with 253.
For subpacket 4G: Use the Tag that starts with 359.
For subpacket 4I: Use the Tag that starts with 493.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
44	Primary/dependent ECP or prior deviation identifier ²²	O	O		O	O	O	O		O ²⁵		253.PECPNO253 or 359.PRFDNO359 or 493.ECPNUM350 ²⁴	DIP4.2.1.g and Appendix C, DED 0003
45	ECP revision									O ²⁵		493.ECPREV351	DIP4.2.1.g and Appendix C, DED 0009
46 ²⁶	CAGE code of most recent recurring deviation resolved by ECP in sequence 2 and 4	O	O		O	O						359.CRFDCG359	Appendix C, DEDs 0001
47 ²⁶	Identifier of most recent recurring deviation resolved by ECP in sequence 2 and 4	O	O		O	O						359.CRFDNO359	Appendix C, DEDs 0003
48 ²⁶	Revision of most recent recurring deviation resolved by ECP in sequence 2 and 4	O	O		O	O						359.RFDREV350	Appendix C, DED 0009
49	Order of implementation	O ²⁷	O ²⁷		O ²⁷	O ²⁷	O ²⁷					250.ECPSEQ250	Appendix C, DED 0119
50	Summary of description of change	M	M	M	M	M	M	M		O		251.ECP190251 or 351.RFD022351 or 460.MODDES460 ²⁸	DIP4.2.1.h and Appendix C, DED 0126 (for subpacket 4G), DED 0171 (for subpackets 4A through 4F), or DED 0253 (for subpacket 4I)
51	Link to description of change	O	O	O	O	O	O	O				251.SGM190251 or 351.SGM022231 ²⁸	DIP4.2.1.i and Appendix C, DED 0118
52	Summary of need for change	M	M	M	M	M	M	M				251.ECP200251 or 351.RFD023351 ²⁸	DIP4.2.1.j and Appendix C, DED 0127 (for subpacket 4G) or DED 0171 (for subpackets 4A through 4F)

²⁵ Mandatory if the value of 'ECP CAGE' (sequence 43) is nonblank; otherwise, must be blank.

²⁶ Sequence 46 through 48 is the identification of the recurring deviation(s) resolved by this ECP subpacket. These fields must either all be nonblank, or all be blank. Repeat this series of fields as necessary for each different recurring problem that is resolved by this ECP.

²⁷ Mandatory if the value of 'Primary ECP/recurring deviation indicator flag' (sequence 42) is 'S'; otherwise, must be blank.

²⁸ For subpackets 4A through 4F: Use the Tag that starts with 251
For subpacket 4H: Use the Tag that starts with 351
For subpacket 4I: Use the Tag starting with 460.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
53	Link to need for change	O	O	O	O	O	O	O				251.SGM200251 or 351.SGM023351 ²⁸	DIP4.2.1.k and Appendix C, DED 0118
54	Link to rationale for recurring deviation							O ²⁹				359.SGM023351	DIP4.2.1.l and Appendix C, DED 0118
55	Summary of corrective action							M				351.RFD024351	Appendix C, DED 0130
56	Link to corrective action							M				351.SGM024351	Appendix C, DED 0118
57	Retrofit required?			M	M	M	M					289.ECP001289	Appendix C, DED 0240
58	Link to recommendation for retrofit/kit delivery				O	O ³⁰	O ³⁰					289.SGM430289	DIP4.2.1.m and Appendix C, DED 0118
59	Ship class affected ³¹				O	O	O					260.RETSHP260	DIP4.2.1.n and Appendix C, DED 0031
60	Vehicle class affected ³¹				O	O	O					260.RETVEH260	DIP4.2.1.n and Appendix C, DED 0031
61 ³²	Locations affected ³¹				O	O	O					260.RETLOC260	DIP4.2.1.n and Appendix C, DED 0029
62 ³²	Quantity at location (and unit of measure) ³³				O	O	O					260.QUANTY260 and 260.LOCUOM260	DIP4.2.1.n Appendix C, DED 0019 and 0054

²⁹ Mandatory if the value of 'Recurring deviation indicator flag' (sequence 42) is 'Y'; otherwise, must be blank.

³⁰ Mandatory if the value of 'Retrofit required?' (sequence 57) is 'Y'; must be blank if the value of sequence 57 is 'N'.

³¹ Must be blank if the value of 289.ECP001289 is "N"

³² Repeat the series of fields 'Location affected' and 'Quantity at location affected' as necessary.

³³ Mandatory if the value of 'Location affected' is nonblank; otherwise, must be blank.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
Supplemental documents and effectivity of change on affected documents/parts/materials/software:													
63 ^{34,35,36}	Supplemental/affected document flag	O ³⁷	O ³⁷	O ³⁷	O ³⁷	O ³⁷	O ³⁷	O ³⁷				DIP4.63	
64 ^{34,35,36}	Supplemental/affected document type code	O	O	O	O	O	O	O			M ³⁸	253.DOCTYP010 or 266.DOCTYP010 or 352.DOCTYP010 or 357.DOCTYP010 ³⁹	Appendix C, DED 0004

- ³⁴ The series of fields 'Supplemental/affected document flag', 'Supplemental/affected document type', 'Supplemental/affected document source', 'Supplemental/affected document identifier', and (sequence 63 through 66) must all be blank, or all be nonblank.
- ³⁵ For subpackets 4A, 4B, and 4D through 4G: Repeat the series of fields sequence 63 through 67 for each supplemental or supporting document referenced in the 'Description of Change' (sequence 50 or the text linked to by the contents of sequence 51) or 'Need for Change' (sequence 52 or the contents of the text linked to by the contents of sequence 53) or other justification paragraphs.
- ³⁶ For subpackets 4A, 4C, 4D, and 4E: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the Government is responsible for performing logistics support but has tasked the preparing activity to identify the logistics impact of proposed changes, repeat the series of fields sequence 69 through 79 for each part, material, or software which will be affected by the ECP upon approval. For all other cases, repeat the series of fields sequence 63 through 79 for each document which will be changed by the ECP upon approval.
For subpackets 4B, 4C, 4D, and 4F: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the preparing activity is responsible for providing all logistics support of the item to the Government, repeat the series of fields sequence 69 through 79 for each part, material, or software which will be affected by the ECP upon approval. For all other cases, repeat the series of fields sequence 63 through 79 for each document which will be changed by the ECP upon approval.
For subpacket 4G: Repeat the series of fields sequence 63 through 79 for each document which contains a requirement for which this deviation is being requested. At least one series is required in each subpacket.
- ³⁷ For subpackets 4A, 4B, and 4D through 4G: For analysis, reports, etc., which are attached to the ECP/RFD to supplement the description of change, the need for change, or other justification paragraphs, enter an 'S' here.
For subpackets 4A through 4F: For documents which are affected by (will be changed by approval of) the ECP, enter an 'A' here.
For subpacket 4G: For documents which contain the requirement for which the deviation is being requested, enter an 'A' here.
- ³⁸ The series of fields sequence 64 through 67, apply to the document being changed by the NOR and shall not be repeated.
- ³⁹ For subpackets 4A through 4F: If the value of 'Supplemental/affected document flag' (sequence 50) is 'A', use the Tag that starts with 266; if it is 'S', use the Tag that starts with 253.
For subpacket 4G: If the value of 'Supplemental/affected document flag' is 'A', use the Tag that starts with 352; if it is 'S', use the Tag that starts with 357.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
65 ^{34,35,36}	Supplemental/affected document source	O	O	O	O	O	O	O		O ⁴⁰	M ³⁸	253.SRCIDN010 or 266.SRCIDN010 or 352.SRCIDN010 or 357.SRCIDN010 or 461.SRCIDN010 or 464.SRCDOD462 or 468.SRCDOD468 ^{39,41}	Figure B-I. The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym ⁴² (Appendix C, DED 0002), or a company name (Appendix C, DED 0170), or for supplemental documents only, an author's name (Appendix C, DED 0069)
66 ^{34,35,36}	Supplemental/affected document identifier	O	O	O	O	O	O	O		O ⁴⁰	M ³⁸	253.DOCIDN010 or 266.DOCIDN010 or 352.DOCIDN010 or 357.DOCIDN010 or 461.DOCIDN010 or 464.DOCNUM020 or 468.ATMNUM557 ^{39,41}	Figure B-I. The transmitted field must be 240 characters, left justified and consisting of either an alphanumeric identifier (Appendix C, DED 0003) or a title (Appendix C, DED 0008)
67 ^{35,36}	Affected document current revision level	O ⁴³	O ⁴³	O	O ⁴³	O ⁴³	O ⁴³	O ⁴³			M ³⁸	266.DOC CRV266 or 352.DOCREV011 ³⁹	The transmitted field must be 8 characters, left justified, and consisting of either an alphanumeric revision identifier (Appendix C, DED 0009 or 0193) or a date (Appendix C, DED 0082)

⁴⁰ Repeat the series of fields sequence 65 and 66 for each technical manual associated with the modification instruction.

⁴¹ If the value of 'Modification instruction type code' (sequence 26) is 'MWO', use 468.SRCDOD468; if the value of sequence 26 is 'RAC', use 464.SRCDOD462; for all other values of sequence 26, use 461.SRCIDN010.

⁴² For U.S. defense specifications, use 'DOD'.

⁴³ Mandatory if the value of 'Supplemental/affected document flag' (sequence 63) is 'A'; otherwise must be blank.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
68 ³⁶	Specific affect on document	O ⁴⁴	O ⁴⁴		O ⁴⁴	O ⁴⁴	O ⁴⁴	M			M ³⁸	266.SGM330266 or 352.SGM22A352 or 301.SGMCHG301 ⁴⁵	DIP4.2.1.o and Appendix C, DED 0118
69 ^{36,46}	Affected part/material/software design source ⁴⁷	O	O	O	O	O	O	M		O		258.DESCAG258 or 353.SWSORC170 or 360.DESENT210 or 365.DESENT200 or 491.DESENT210 or 494.DESENT200 ⁴⁸	For 258.DESCAG258, see Appendix C, DED 0001. For 353.SWSORC170: transmitted field must be 36 characters left justified and consisting of either a CAGE code, an organization acronym, a company name, or an author's name (Appendix C, DEDs 0001, 0002, 0170, and 0069, respectively). For xxx.DESENT2x0: transmitted field must be 30 characters left justified and consisting of either a CAGE code, an organization acronym, or a company name (Appendix C, DEDs 0001, 0002, and 0170, respectively).

⁴⁴ For subpackets 4A, 4B, and 4D through 4F: This field and sequence 300 are mutually exclusive; for each affected document in sequence 63 through 68 for which the 'NOR' (sequence 300) is nonblank, this field must be blank.

For subpackets 4A, 4D and 4E: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the Government is responsible for performing logistics support but has tasked the preparing activity to identify the logistics impact of proposed changes, both sequence 68 and 300 should be blank.

For subpackets 4B, 4D and 4F: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the preparing activity is responsible for providing all logistics support of the item to the Government, both sequence 68 and 300 should be blank.

⁴⁵ For subpackets 4A, 4B, and 4D through 4F: Use the Tag that starts with 266.

For subpacket 4G: Use the Tag that starts with 352.

For subpacket 4J: Use the Tag that starts with 301.

⁴⁶ Repeat the series of fields sequence 69 through 79 as many times as necessary to address each affected assembly/part, software, or material, provide the complete identification of the affected item. Do not include parts/assemblies being addressed in related ECPs here.

⁴⁷ 'Affected part/material/software design source' and 'Affected part/material/software identifier' are paired fields; either both must be blank, or both must be nonblank.

⁴⁸ For subpackets 4A through 4F: Use the Tag that starts with 258

For subpacket 4F: Use the Tag that starts with 353, 360, and 365 for software, materials, and parts, respectively.

For subpacket 4I: Use the Tag that starts with 491 and 494 for parts and materials respectively.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
70 ^{36,46}	Affected part/material/software identifier ⁴⁶	O	O	O	O	O	O	M		O		258.PARNUM210 or 353.SWIDEN170 or 360.PARNUM210 or 365.MATGID200 or 491.PARNUM210 or 494.MATGID200 ⁴⁸	For xxx.PARNUM210: Appendix C, DED 0024. For 353.SWIDEN170: the transmitted field must be 248 characters, left justified and consisting of either a software alphanumeric identifier (Appendix C, DED 0088), a part number (Appendix C, DED 0024), or a software identifier (Appendix C, DED 0262. For xxx.MATGID200: the transmitted field must be 120 characters, left justified and consisting of either a material name (Appendix C, DED 0191) or a material document identifier (Appendix C, DED 0192).
71 ^{36,46}	Affected material identifying parameters							O		O		365.MATIDN200 or 494.MATIDN200 ⁴⁸	Appendix C, DED 0038
72 ^{36,46}	Part name ⁴⁹	O	O	O	O	O	O	O				210.PARNAM209	Appendix C, DED 0113
73 ^{36,46}	Lowest level? ⁵⁰	O	O	O	O	O	O	O				258.PARLVL258 or 360.PARLVL360 or 365.PARLVL365 ⁴⁸	Appendix C, DED 0121

⁴⁹ Must be blank if 'Affected part/material/software design source', (sequence 69) is blank; must blank if 'Affected material identifying parameters' (sequence 60) is nonblank.

⁵⁰ Mandatory if 'Affected part/material/software design source' (sequence 69) is nonblank.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
74 ^{36,46,51}	Product tracking-base ⁵²	O	O	O	O	O	O	M		M		259.BASNUM500 or 361.BASNUM500 or 366.BASNUM500 or 491.BASNUM500 or 494.BASNUM500 ⁵³	DIP4.2.1.p, DIP4.2.1.q, Table B-II, and Appendix C, DED 0056
75 ^{36,46,51}	Manufacturer's CAGE code ⁵²	O	O	O	O	O	O	M		M		259.MFRCAG515 or 361.MFRCAG515 or 364.MFRCAG515 or 491.MFRCAG515 or 494.MFRCAG515 ⁵³	DIP4.2.1.q, Appendix C, DED 0001
76 ^{36,46,51}	Type of tracking identifier ⁵²	O	O	O	O	O	O	M		M		259.TRKTYP515 or 361.TRKTYP515 or 364.TRKTYP515 or 491.TRKTYP515 or 494.TRKTYP515 ⁵³	DIP4.2.1.q, Appendix C, DED 0057
77 ^{36,51}	Starting effectivity ⁵²	O	O	O	O	O	O	M		M		259.STREFF259 or 361.STREFF361 or 364.STREFF364 or 491.STREFF491 or 494.STREFF494 ⁵³	DIP4.2.1.q, Appendix C, DED 0058
78 ^{36,46,51}	Ending effectivity	O ⁵⁴	O ⁵⁴	O ⁵⁴	O ⁵⁴	O ⁵⁴	O ⁵⁴	O		M		259.ENDEFF259 or 361.ENDEFF361 or 364.ENDEFF364 or 491.ENDEFF491 or 494.ENDEFF494 ⁵³	DIP4.2.1.q, Appendix C, DED 0058

⁵¹ The fields 'Product tracking-base', 'Manufacturer's CAGE code', 'Type of tracking identifier', 'Starting effectivity', 'Ending effectivity', and 'Forward/retro fit?' may be repeated as necessary in order to define each effectivity block for each part/material in sequence 63 through 71.

⁵² The fields 'Product tracking-base', 'Manufacturer's CAGE code', 'Type of tracking identifier', 'Starting effectivity', and 'Forward/retro fit?' must be either all blank, or all nonblank. For subpackets 4C, 4E, 4F, and 4G, there must be at least one nonblank series.

⁵³ For subpackets 4A through 4F: Use the Tag that starts with 259.
For subpacket 4G: Use the Tag that starts with 361 for documents and the Tag that starts with 366 for software departures.
For subpacket 4I: Use the Tag that starts with 491 for parts and 494 for materials.

⁵⁴ Must be blank if 'Starting effectivity' is blank.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
79 ^{36,46,51}	Forward/Retro fit? ⁵⁵			O	O	O	O					259.EFFTIM259	DIP4.2.1.q, Appendix C, DED 0028
Retrofit information:													
80	Modification kit identifier ⁵⁶									O		492.KITIDN490	Appendix C, DED 0245
81	Modification instruction issue date									M		460.ISSDAT460	Appendix C, DED 0082
82	Modification instruction effective date									M		460.EFFDAT460	Appendix C, DED 0082
83	Modification instruction cancellation date									M		460.CNXDAT460	Appendix C, DED 0082
84	RAC type/Technical directive task type									O ⁵⁷		464.CHGTYP464 or 465.TSKTYP465	Appendix C, DED 0256 or DED 0249
85	Contractor field service required? ⁵⁶				O	O	O					290.ECP470290	Appendix C, DED 0180
86	Link to description of contractor field service requirements ⁵⁸				O	O	O					290.SGM470290	Appendix C, DED 0118

⁵⁵ Must be "F" if the value of 'Retrofit required' is "N"

⁵⁶ If the value of 'Retrofit required' (sequence 57) is 'N', this field must be blank.

⁵⁷ Mandatory if the value of 'Modification instruction type code' (sequence 26) is 'RAC' or 'TECHDIR'; must be blank for all other values of sequence 26. If the value of sequence 26 is 'RAC', use 464.CHGTYP464; if the value of sequence 26 is 'TECHDIR', use 465.TSKTYP465.

⁵⁸ Mandatory if the value of 'Contractor field service required?' (sequence 85) is 'Y'; otherwise, must be blank.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
87 ⁵⁹	Level of maintenance ⁵⁶				O	O	O			O ⁶⁰		263.RETLVL263 or 465.LVLCOD465 or 466.LVLCOD466 or 467.LVLCOD467 ⁶¹	DIP4.2.1.r and Appendix C, DEDs 0195, 0250, 0254 , or 0255
88 ⁵⁹	Man-hrs/unit for R&R ⁵⁶				O	O ⁶²	O ⁶²					263.MTNTIM263	DIP4.2.1.r and Appendix C, DED 0087
89 ⁵⁹	Man-hrs/unit to install retrofit kit ⁵⁶				O	O ⁶²	O ⁶²					263.KITTIM263	DIP4.2.1.r and Appendix C, DED 0087
90 ⁵⁹	Man-hrs/unit to test kit installation ⁵⁶				O	O	O					263.KITTST263	DIP4.2.1.r and Appendix C, DED 0087
91 ⁵⁹	Man-hrs/unit for final system test ⁵⁶				O	O	O					263.ECP450263	DIP4.2.1.r and Appendix C, DED 0087
92 ⁵⁹	Hrs out of service time ^{56,63}				O	O	O			O		263.ECP480263 or 460.WK HOUR460 ⁶⁴	Appendix C, DED 0087
93 ⁵⁹	Quantity of kits required ⁵⁶				O	O	O					263.KITQTY263	Appendix C, DED 0019

⁵⁹ For subpackets 4D through 4F: Repeat the series of fields 'Level of maintenance' (sequence 87) through 'Quantity of kits required' (sequence 93) for each level of maintenance affected.

⁶⁰ Mandatory if the value of 'Modification instruction type code' (sequence 26) is 'TECHDIR', 'TCTO', or 'MWO'.

⁶¹ For subpackets 4D through 4F: Use 263.RETLVL263.

For subpacket 4I: (a) If the value of 'Modification instruction type code' (sequence 26) is 'TECHDIR', use 465.LVLCOD465.
(b) If the value of 'Modification instruction type code' (sequence 26) is 'TCTO', use 466.LVLCOD466.
(c) If the value of 'Modification instruction type code' (sequence 26) is 'MWO', use 467.LVLCOD467.

⁶² If the value of 'Retrofit required' (sequence 51) is 'Y', the value of the 'Man-hrs/unit for R&R' (sequence 78) and the value of the 'Man-hrs/unit to install retrofit kit' (sequence 79) cannot both be blank.

⁶³ For subpackets 4D through 4F: Estimate the total time period from removal of a single unit of the equipment from operational service until that unit of equipment will be returned to operational status after being retrofitted.
For subpacket 4I: Specify the number of man hours per unit required to accomplish the modification instruction.

⁶⁴ For subpackets 4D through 4F: Use 263.ECP480263.
For subpacket 4I: Use 460.WK HOUR460.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
Contract information:													
94 ⁶⁵	Contract identifier	M	M	M	M	M	M	M				255.CONIDN950 or 355.CONIDN950 ⁶⁶	Appendix C, DED 0015
95 ⁶⁵	Current contract modification	M	M	M	M	M	M	M				255.CONMOD951 or 355.CONMOD951 ⁶⁵	Appendix C, DED 0120
96 ^{65,67}	Contract line item impacted by change			O	O	M	M	M				255.CLINID959 or 355.CLINID959 ⁶⁵	Appendix C, DED 0017
Impact description:													
97	Effect on delivery schedule				O	M	M	M				251.ECP220251 or 351.RFD020351	DIP4.2.1.s and Appendix C, DED 0171
98	Link to developmental program requirements				O	O						289.ECP342289	DIP4.2.1.t and Appendix C, DED 0118
99	Link to trade-offs & alternate solutions				O	O						289.ECP241289	Appendix C, DED 0118
100	Link to effect on acquisition logistics support and acquisition logistics support plans				O	O					O	289.SGM38A289 or 351.SGM021351 ⁶⁸	Appendix C, DED 0118
101	Link to effect on maintenance concept, plans & procedures				O	O						289.SGM38B289	Appendix C, DED 0118
102	Link to effect on interim support plan				O	O						289.SGM38D289	Appendix C, DED 0118

⁶⁵ Repeat the series of fields 'Contract identifier' through 'Contract line item impacted by change' for each contract under which this ECP/RFD is being submitted.

⁶⁶ For subpackets 4A through 4F: Use the Tag that starts with 255
For subpacket 4G: Use the Tag that starts with 355.

⁶⁷ Repeat this field for each contract line item (in the contract identified in sequence 94 and 95) which identifies a product which will be affected by this ECP/RFD.

⁶⁸ For subpackets 4D and 4E: Use the Tag that starts with 289
For subpacket 4G: Use the Tag that starts with 351.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
103	Link to effect on spares & repair parts				O	O						289.SGM38E289	Appendix C, DED 0118
104	Link to effect on tech manuals				O	O						289.SGM38F289	Appendix C, DED 0118
105	Link to effect on facilities				O	O						289.SGM38G289	Appendix C, DED 0118
106	Link to effect on support equipment (including test procedures and software)				O	O						289.SGM38H289	Appendix C, DED 0118
107	Link to effect on personnel				O	O						289.SGM38J289	Appendix C, DED 0118
108	Link to effect on operator training				O	O						289.SGM38I289	Appendix C, DED 0118
109	Link to effect on maintenance training				O	O						289.SGM38K289	Appendix C, DED 0118
110	Link to effect on contract maintenance				O	O						289.SGM38M289	Appendix C, DED 0118
111	Link to effect on PHST				O	O						289.SGM38N289	Appendix C, DED 0118
112	Link to effect on safety				O	O						289.SGM39A289	Appendix C, DED 0118
113	Link to effect on survivability				O	O						289.SGM39B289	Appendix C, DED 0118
114	Link to effect on reliability				O	O						289.SGM39C289	Appendix C, DED 0118
115	Link to effect on maintainability				O	O						289.SGM39D289	Appendix C, DED 0118
116	Link to effect on service life				O	O						289.SGM39E289	Appendix C, DED 0118
117	Link to effect on operating procedures				O	O						289.SGM39F289	Appendix C, DED 0118
118	Link to effect on electromagnetic interference				O	O						289.SGM39G289	Appendix C, DED 0118
119	Link to effect on activation schedule				O	O						289.SGM39H289	Appendix C, DED 0118

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
120	Link to effect on critical single-point failure items				O	O						289.SGM39I289	Appendix C, DED 0118
121	Link to effect on interoperability				O	O						289.SGM39J289	Appendix C, DED 0118
122	Link to effect on operational, maintenance, or training software				O	O						289.SGM32E289	Appendix C, DED 0118
123	Date contractual authority needed for production				O	O						289.ECP50A289	DIP4.2.1.u and Appendix C, DED 0082
124	Date contractual authority needed for retrofit				O	O						289.ECP50B289	DIP4.2.1.u and Appendix C, DED 0082
125	Link to consequences of disapproval	M	M		O	M	M					251.SGM20A251	DIP4.2.1.v and Appendix C, DED 0118
126	Link to effect on performance of the product				O	O						289.SGM37A289	Appendix C, DED 0118
127	Link to effect on weight-balance-stability of aircraft				O	O						289.SGM37B289	Appendix C, DED 0118
128	Link to effect on weight-moment of other equipment				O	O						289.SGM37C289	Appendix C, DED 0118
129	Link to effect on GFE or GFD				O	O						289.SGM40J289	Appendix C, DED 0118
130	Link to effect on software other than operational, maintenance or training				O	O						289.SGM40D289	Appendix C, DED 0118
131	Link to rework required to other equipment				O	O						289.SGM40E289	Appendix C, DED 0118
132	Link to effect on system test procedures				O	O						289.SGM40F289	Appendix C, DED 0118
133	Link to effect on warranty				O	O	O					289.SGM40G289	Appendix C, DED 0118
134	Link to changes to parts control program				O	O						289.SGM40H289	Appendix C, DED 0118

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
135	Link to effect on life-cycle cost				O	O						289.SGM40I289	Appendix C, DED 0118
136	Link to effect on configuration nomenclature				O	O						289.SGM37E289	Appendix C, DED 0118
137 ⁶⁹	Name of other effect				O	O						265.IMPNAM265	Appendix C, DED 0263
138 ⁶⁹	Link to description of other or unusual effect				O	O						265.SGMUNU265	Appendix C, DED 0118
139	VECP royalty expiration date ⁷⁰					O	O					289.ECPROY289	Appendix C, DED 0082
COST:													
140	Total cost/savings under contract					M	M	M				289.CONCOS289 or 351.RFD019351 ⁷¹	DIP4.4.3.1 and Appendix C, DED 0172 (for 4E & 4F); DIP4.2.1.w and Appendix C, DED 0132 (for subpacket 4G)
141	Total cost/savings to Government					M	M					289.TOTCOS289	DIP4.4.3.2 and Appendix C, DED 0172
142	Budgetary estimate of RDT&E costs			O	M							289.RDTCOS289	Appendix C, DED 0172
143	Budgetary estimate of production costs			M	M							289.PRDCOS289	Appendix C, DED 0172
144	RFD price consideration rationale							M				351.RFD19A351	DIP4.2.1.x and Appendix C, DED 0104
145 ⁷²	DoD service component bearing cost					O	O					252.SERVID252	DIP4.2.1.y, DIP4.4.1, and Appendix C, DED 0002

⁶⁹ The 'Name of other effect' (sequence 136) and 'Link to other or unusual effect' (sequence 137) fields are paired fields; they must either both be blank or both be nonblank. This series of fields should be repeated for each unusual effect of the ECP which not otherwise addressed in the ECP.

⁷⁰ Mandatory if the value of 'ECP justification code' (sequence 29) is 'V'; otherwise, must be blank.

⁷¹ For subpackets 4E and 4F: Use the Tag that starts with 289
For subpacket 4G: Use the Tag that starts with 351.

⁷² If more than one service component is to share the cost of this ECP and a multi-page spreadsheet is not used, repeat this series of fields for each service component.

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
146 ⁷²	Cost file originator					O	O					252.FILORG900	DIP4.2.1.y, DIP4.4.1, and Appendix C, DED 0069
147 ⁷²	Cost file originator address					O	O					252.FILADD900	DIP4.2.1.y, DIP4.4.1, and Appendix C, DED 0081
148 ⁷²	Cost file identifier					O	O					252.FILIDN900	DIP4.2.1.y, DIP4.4.1, and Appendix C, DED 0206
149-150 ⁷²	Cost file creation date & time					O	O					252.FILDAT900 and 252.FILTIM900	DIP4.2.1.y, DIP4.4.1, and Appendix C, DEDs 0082 and 0160
151-184 ⁷²	File Identification Subpacket for cost spreadsheet					O	O					See Data Information Subpacket 9B	DIP4.2.1.y, DIP4.4.1, and Data Information Packet 9
Document representations and attached files:													
185	Expanded text file originator				M	M	M	M				261.FILORG900 or 358.FILORG900	DIP4.2.1.z and Appendix C, DED 0069
186	Expanded text file originator address				M	M	M	M				261.FILADD900 or 358.FILADD900	DIP4.2.1.z and Appendix C, DED 0081
187	Expanded text file identifier				M	M	M	M				261.FILIDN900 or 358.FILIDN900	DIP4.2.1.z and Appendix C, DED 0206
188-189	Expanded text file creation date & time				M	M	M	M				261.FILDAT900 and 261.FILTIM900, or 358.FILDAT900 and 358.FILTIM900	DIP4.2.1.z and Appendix C, DEDs 0082 and 0160
190-223	File Identification Subpacket for expanded text file				M	M	M	M				See Data Information Subpacket 9B	DIP4.2.1.z and Data Information Packet 9
224	Milestone chart file originator					O	M	M				261.FILORG900 or 358.FILORG900	DIP4.2.1.aa and Appendix C, DED 0069
225	Milestone chart file originator address					O	M	M				261.FILADD900 or 358.FILADD900	DIP4.2.1.aa and Appendix C, DED 0081
226	Milestone chart file identifier					O	M	M				261.FILIDN900 or 358.FILIDN900	DIP4.2.1.aa and Appendix C, DED 0206
227-228	Milestone chart file creation date & time					O	M	M				261.FILDAT900 and 261.FILTIM900, or 358.FILDAT900 and 358.FILTIM900	DIP4.2.1.aa and Appendix C, DEDs 0082 and 0160

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TABLE DIP4-I: Configuration change control

Seq #	Field Name	Data Information Subpacket										Data Element Tag	For content and validation instructions, see
		4A	4B	4C	4D	4E	4F	4G	4H	4I	4J		
229-261	File Identification Subpacket for milestone chart file					O	M	M				See Data Information Subpacket 9B	DIP4.2.1.aa and Data Information Packet 9
262-299	Document Representation Subpacket	M	M	M	M	M	M	M	M	M	M	See Data Information Subpacket 10A	DIP4.2.1.at and Data Information Packet 10
Specific changes:													
300	NOR	O ⁷³	O ⁷³		O ⁷³	O ⁷³	O ⁷³					See Data Information Subpacket 4G	DIP4.2.1.ab and Data Information Subpacket 4G
301-325	Parts list changes										O	See Data Information Subpacket 7B	Data information Packet 7
326 ⁷⁴	Type of change to note										O ⁷⁵	325.CHGTYP325	DIP4.2.1.ac and Appendix C, DED 0260
327 ⁷⁴	Note number										O ⁷⁵	325.NOTNUM325	DIP4.2.1.ac and Appendix C, DED 0215
328 ⁷⁴	Note text										O ⁷⁶	325.NOTTXT325	DIP4.2.1.ac and Appendix C, DED 0252
329 ⁷⁴	Type of change to special condition code										O ⁷⁶	327.CHGTYP327	DIP4.2.1.ac and Appendix C, DED 0261
330 ⁷⁴	Special condition code										O ⁷⁷	327.SPNOTE327	DIP4.2.1.ac and Appendix C, DED 0257

⁷³ For subpackets 4A, 4B, and 4D through 4F: This field and sequence 68 are mutually exclusive; for each affected document in sequence 63 through 68 for which the 'Specific affect on document' (sequence 68) is nonblank, this field must be blank. If this field is nonblank, the series of fields, 'NOR' through 'Special condition code' (sequence 300 through 330) is must be provided.
For subpackets 4A, 4D and 4E: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the Government is responsible for performing logistics support but has tasked the preparing activity to identify the logistics impact of proposed changes, both sequence 68 and 300 should be blank.
For subpackets 4B, 4D and 4F: If this ECP is being prepared by the nongovernment CDCA of the document(s) being changed by the ECP and the preparing activity is responsible for providing all logistics support of the item to the Government, both sequence 68 and 300 should be blank.

⁷⁴ Repeat series of fields 'Type of change to note' through 'Special condition code' (sequence 326 through 330) as necessary.

⁷⁵ The fields 'Type of change to note' (sequence 326) and 'Note number' (sequence 327) must be either both blank, or both nonblank.

⁷⁶ Must be blank if the value of 'Type of change to note' (sequence 326) is blank.

⁷⁷ Must be blank if the value of 'Type of change to special condition code' (sequence 329) is blank.

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DIP4.2. Content of data information subpackets. The information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 4E) shall be followed by the various elements listed. These elements shall be provided in the order shown in Table DIP4-I, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

DIP4.2.1 Content Instructions.

- a. Provide the revision level of the ECP/NOR/RFD/modification request/modification instruction. The initial issue (release) shall be a dash (-) indicating no revision. Subsequent revisions shall be consecutively identified. (For example, where a Message ECP is followed by a Preliminary ECP, which in turn is followed by a Final ECP, and there were no intermediate requirements for a resubmittal; the Message ECP would be assigned the "-"; the Preliminary ECP would be assigned the "R1" revision level; and the Final ECP would be assigned the "R2" revision level.)
- b. The purpose of the message ECP is to expedite the initiation of action on Class I Emergency or Urgent priority, or Compatibility code ECPs.
 - (1) An ECP which, in the originator's judgment carries a priority of emergency or urgent, and requires immediate action, may be initiated verbally (by telephone or personal contact), or in writing (by hard copy or electronic message). When the initial contact is verbal, a follow-up written confirmation message is required as soon as possible. If the initial reaction by the addressee of the communication(s) is favorable, a written preliminary or final ECP is required as soon as practicable.
 - (a) For an initial verbal contact, the contractor shall specifically identify the affected item(s), briefly describe the change, and indicate why time is of the essence. The contractor shall make a note of the conversation for referencing on the follow-up written message.
 - (b) A written message shall also specifically identify the affected item(s), briefly describe the change, provide a not-to-exceed/not-less-than cost impact, schedule impacts, and indicate why time is of the essence. If a verbal contact preceded the written message, it shall be referenced in the written message as to date and time of occurrence, person(s) contacted, and direction (if any) received.
 - (2) An ECP which, in the originator's judgment warrants a justification code of 'compatibility' (all aspects of the compatibility code definition are applicable), may also be submitted as described above. With initial favorable reaction, corrective action may then be implemented immediately by the performing activity to resolve such incompatibilities, but only for the specific item(s) situated in the location at which the deficiency was originally discovered. In addition, a final Class I compatibility code ECP is required within 30 days after initial notification. In those cases where additional action is necessary due to "lead time" considerations, the performing activity may initiate procurement or manufacturing action, advising the tasking activity by notification of the serial number(s) and locations of additional items involved. The performing activity assumes total risk for implementation of such additional action prior to tasking activity authorization, except in those cases where the tasking activity caused the incompatibility.

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- c. Provide the identifier of the CDCA for the ECP⁷⁸, NOR⁷⁹, RFD⁸⁰, modification request⁸¹, or modification instruction⁸².
- d. Provide the current status of the ECP/NOR/RFD/modification request/modification instruction. The tasking activity cannot act on the ECP/RFD/modification request/modification instruction until it is in the status of 'SUBMIT'.
- e. Provide the effective date of the current status of the ECP/RFD/modification request/modification instruction. The date shall be expressed in eight numeric characters (YYYYMMDD), for example: "19950825."
- f. Provide the identifier of the known application activity(s), if any, which have an interest in this ECP. Repeat this field for all known application activities. This list can be determined from the CSA database based on the documents affected by this ECP.
- g. For subpackets 4A through 4F, if this is a related ECP, enter the CAGE code and identifier of the primary ECP. If this is a dependent ECP, enter the CAGE code and identifier upon which it depends; otherwise, leave blank. For subpacket 4H, if this is a recurring deviation, enter the CAGE code and identifier of the most recent prior deviation for the same problem.
- h. Provide a summary description of the proposed change.
 - (1) For subpackets 4A and 4B (Class II ECPs, Minor engineering changes), the description should include the purpose and should be given in sufficient detail to adequately describe what is to be accomplished.
 - (2) For subpacket 4C, the description should include the purpose and should be given in sufficient detail to adequately describe what is to be accomplished and the logistics impact of the proposed change.
 - (3) For subpackets 4D through 4F (Preliminary ECPs, Final ECPs, and Major engineering changes), the description should be phrased in definitive language such that, if it is repeated in the contractual document authorizing the change, it will provide the authorization desired. A description as to which part of the item or system is being changed should also be included.
 - (4) For subpacket 4G (RFDs), provide a summary description of the nature of the proposed departure from the technical requirements of the configuration documentation for the deviation being requested. Identify the configuration documentation which contains the relevant technical requirements from which the deviation is being requested.
- i. Provide the Standard Generalized Markup Language (SGML) tag used to identify the part of the ECP/RFD extended text file that contains the complete description of the proposed change summarized in sequence 50 (see DIP4.2.1.h). For subpackets 4A, 4B, 4D and 4E, address the impact on operational employment, other systems and equipment, life cycle costs, warranties, etc. (See also, sequence 68.) If supplemental drawings and sketches are necessary to clearly portray the proposed change, they shall be referenced here as attachments. If the proposed change is an interim solution, this should be so stated.

⁷⁸ All documents affected by an ECP must have the same CDCA as the ECP. If documents with different CDCAs are affected by a proposed change, then related ECP(s) must be processed.

⁷⁹ Must be the same as the document being changed by the NOR

⁸⁰ Must be the same as the tasking activity for the product affected by this RFD.

⁸¹ Usually is the proposing organization/agency

⁸² Usually is the issuing organization/agency

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- j. Provide a summary explanation of the need for the change in this field. It is the decision of the originator which information to include in the summary; however, this section must specifically identify the benefit of the change to the tasking activity.
 - (1) For subpackets 4A through 4F (ECPs), the nature of the defect, failure, incident, malfunction, etc., substantiating the need for the change shall be described in detail. Full utilization shall be made of available failure data. If a new capability is to be provided, improvements in range, speed, performance, endurance, striking power, defensive or offensive capabilities, etc., shall be described in quantitative terms. Correspondence establishing requirements for the change and any testing accomplished prior to the submission shall be identified and summarized. If the ECP is needed to correct maintenance/logistics problems, that fact will be included with sufficient detail to identify the issues. If the ECP is being submitted as a response to a request for ECP or tasking activity direction, cite that authority herein.
 - (2) For subpackets 4C through 4F (Class I ECPs), if the ECP priority is 'Urgent' or 'Emergency', explain the reason for the need for urgent processing of the proposed change.
 - (3) For subpacket 4G (RFDs), explain why it is impossible or unreasonable to comply with the configuration documentation within the specified delivery schedule. Also explain why a deviation is proposed in lieu of a permanent design change.
- k. Provide the Standard Generalized Markup Language (SGML) tag used to identify the part of the ECP/RFD extended text file that contains the complete rationale for the proposed change. If test data, analysis, and other technical documentation providing supporting rationale for the tasking activity to base their acceptance of the proposed change are included to clearly define the proposal, they shall be referenced here as attachments and listed as supplemental documents in sequence 63 through 67.
- l. Provide the Standard Generalized Markup Language (SGML) tag used to identify the part of the ECP/RFD extended text file that contains the complete rationale as to why the recurrence was not prevented by the previous corrective action(s).
- m. If there is at least one effectivity block which is a retrofit, the originating activity of the ECP shall make recommendations for retrofit of the engineering change into accepted items with substantiating data, any implications thereto, and a brief description of the action required. If retrofit kit(s) will be required, describe the estimated kit delivery schedule by quantity and date. When special tooling for retrofit is required for Government use, include the dates of availability of tools, jigs, and test equipment required in conjunction with the kits to accomplish the change. When retrofit is not recommended, an explanation of this determination shall be provided instead.
- n. When the delivered CI is installed in one or more ship or vehicle classes, provide the identification of such classes, or provide the location(s) at which retrofit is to be accomplished along with the quantity to be retrofit at each location.
- o. The description of change should be stated in text or graphics in specific terms, including references to any attached marked-up documents. Include both the current and new conditions. Terms such as 'From' and 'To', 'As-is' and 'Should-be', 'Current' and 'Proposed', or similar should be used followed by the pertinent text or graphics. Alternatively, use the 'redline and strike-out' capability of most text processors, or any other method which clearly shows what the characteristics are prior to the change and what they are supposed to be after incorporation of the approved change. Text which is being deleted without replacement must be included in full. Generally, the description should be complete enough that a person who is not knowledgeable of the document could change the document as intended by the author based solely on this description.
 - (1) For subpackets 4A, 4B, and 4D through 4F: If (a) only one document is being changed by the ECP, (b) the change is not complex, and (c) the CDCA and custodian for the current approved configuration document or

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software program (identified in sequence 65 through 67) which must be changed to accomplish this ECP are the same, provide the SGML tag used to identify the part of the ECP extended text file which is the start of the detailed description of the proposed change. However, if the proposed change is to a specification, defense specification, or engineering drawing and is extensive or includes changes to a parts list or to drawing notes, this field should be blank and the information should be included in the attached subpacket 4G. (See also: sequence 300.)

- (2) For subpacket 4G: Provide the SGML tag used to identify the part of the RFD extended text file which is the start of the detailed description of the requirement and the deviation being requested from that requirement.
- (3) For subpacket 4J: For extensive proposed changes to a current approved specification, defense specification, or engineering drawing (excluding changes to parts lists and notes) which must be changed to accomplish this ECP or when the custodian and CDCA of the document are not the same, provide the SGML tag used to identify the part of the NOR extended text file which is the start of the description of the proposed change.

p. In order of preference, the product-tracking base-identifier is:

- (1) the Type and Model portion (see Table B-II) of the configuration item designation as assigned in accordance with MIL-STD-196, MIL-STD-787, MIL-STD-1812 or AR 70-50/NAVMATINST 8800.4/AFR 82-1, or
- (2) the drawing number of tabulated part or assembly drawings, or
- (3) the drawing number of one of the non-tabulated parts (or assemblies) within the group of like items, or
- (4) the specification number of parts or materials defined by a program-unique specification or standardization document, or
- (5) the part number of standard parts, or
- (6) the material identifier of any material defined in terms like class, grade, type, etc. (without a part number).

q. Specify the effectivity of the proposed change.

- (1) In determining the effectivity point for the proposed change, the performing activity shall consider, in addition to the time factors, the availability of all support elements affected and the most economical point of introduction consistent with all the salient factors involved. The earliest production incorporation is not necessarily the singular or most important factor in the establishment of a proposed change effectivity point. The effectivity point will be based on concurrent availability of all logistics support elements and materials affected by the change to the item.
- (2) For proposed changes to CSCIs, where applicable, the effectivity of the end item CI, or vehicle (aircraft, tank, ship, etc.), into which the capability represented by the new version of the software is proposed to be incorporated, shall also be provided. If the impact of the proposed change merits the release of a new software version, the ECP submittal shall include a recommendation to this effect.
- (3) For each block of one or more units to be affected by this proposed change, including both future production and retrofit of delivered units, provide the following information:
 - (a) Provide the product tracking-base identifier (common base number) which is being used as the unchanging basis for tracking individual units.

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- (b) Provide the manufacturer's CAGE Code of the affected units.
 - (c) Provide the type of tracking identifier (Government serial number, manufacturers serial number, lot number, etc.) being used to track affected units.
 - (d) Provide the tracking number of the first unit in the block of affected units.
 - (e) Provide the tracking number of the last unit in the block of affected units.
 - (f) Indicate if this effectivity block represents a forward fit into future production units, or a retrofit of delivered units.
- r. For each of the applicable maintenance levels, show the amount of work which must be programmed for various activities to install retrofit kits, test retrofit installation and test the retrofitted system. Estimate work-hours to install retrofit kits when weapon system is undergoing overhaul.
- s. Provide the estimated delivery date of the first item incorporating the change, either in terms of days after contractual approval, or by specific dates contingent upon contractual approval by a specified date. If there will be no effect on the delivery schedule, so state. For a complex ECP, or for related ECPs, this delivery date will be related to any other events which may adversely affect the projected delivery.
- t. Describe the effects of the proposed change on the developmental program as described below.
- (1) For CIs, when the proposed engineering change requires a major revision of the development program (e.g., new prototypes, additional design review activity, tests to be re-accomplished), the nature of the new development program shall be described in detail, including the status of programs already begun. If some already-accomplished work will have to be re-accomplished, the rationale for re-accomplishing the work shall be included.
 - (2) For CSCIs, the performing activity shall identify the scheduled sequence of computer software design and test activities which will be required. ECPs initiated after preliminary design which affect the FBL and/or the ABL shall identify, as appropriate, significant requirements for computer software redesign, recoding, repetition of testing, changes to the software engineering/test environments, special installation, adaptation, checkout, and live environment testing. In addition, the specific impact of these factors on approved schedules shall be identified. The impact of the software change on the hardware design and input/output cabling shall also be detailed.
 - (3) When applicable, the performing activity shall make recommendations as to the additional tests, trials, installations, prototypes, fit checks, etc., which will be required to substantiate the proposed engineering change. These recommendations shall include the test objective and test vehicle(s) to be used. If additional space is required, this analysis shall be included in the ECP document representation.
- u. The originating activity shall provide the date(s) by which contractual authority to proceed is needed in order to achieve the recommended effectivity point(s) of the ECP by citing the date for production and retrofit, as applicable.
- v. Provide a summary of the actions that may be required, the system elements affected, and the overall effects of disapproving the ECP.
- w. Provide the estimated price reduction or other valuable consideration to the tasking activity for the acceptance of this nonconforming unit(s).
- x. Provide the rationale for arriving at the price reduction amount, or other consideration, identified in sequence 133.

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- y. This file should be part of the ECP/RFD document representation, or may be a stand-alone file if this is an on-line ECP without a stored document representation.
 - z. The SGML tags required for the text paragraphs must appear in this file, followed by the pertinent text. This file may have other headings, paragraph numbers, etc., and may be part of the ECP/RFD document representation, or may be a stand-alone file if this is an on-line ECP/RFD without a stored document representation.
 - aa. This file may be part of the ECP/RFD document representation, or may be a stand-alone file if this is an on-line ECP/RFD without a stored document representation. It must contain a milestone chart which clearly shows the following:
 - (1) CIs: Enter the symbols and text, as appropriate for the activity, to show the time phasing of accomplishments related to the deliveries of items (CIs, spares/repair parts); the accomplishment of the retrofit; the generation of the retrofit instructions (MWO/TCTO/SC/ALT/TD); the updates of the tech manuals, support software, etc.; and the deliveries of support equipment, training equipment, and documentation incorporating the changes resulting from this ECP. Enter other symbols and notations to show the initiation or termination of significant actions related to these accomplishments. All dates shall be based upon months after contractual approval of the basic ECPs.
 - (2) CSCIs: Enter the symbols and text as appropriate for the activity, to show the time phasing of accomplishments related to the development and delivery of the updated software (software engineering, documentation, replication, distribution, etc.); to the updating of the training equipment (operator, maintenance, etc.); and to the updating of the software support elements (software engineering environment upgrade, test environment upgrade, etc.) to reflect the changes resulting from this ECP. Enter other symbols and notations to show the initiation or termination of significant actions related to these accomplishments. All dates are based upon months after contractual approval of the basic ECP.
 - ab. ECPs, RFDs, and NORs may be maintained as "on-line" documents. In this case, there would not be any stored document representation, but rather, the complete contents of the ECP/RFD/NOR would be contained in the CM AIS database; thus, the ECP/RFD/NOR could be generated in any format desired at any time. If the on-line approach is used, the document representation identifier should be "ON-LINE IN CM AIS" or something similar and only the minimum required information should be reported. If a document representation is stored, it must contain all the ECP/RFD/NOR information required by the appropriate data information subpacket.
 - ac. Specify the addition, deletion, or change to notes, including the addition or deletion of special condition notes.
- DIP4.2.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.
- DIP4.2.2.1 Subpackets 4A through 4F.
- a. The value of document-source-identification-type-code, 010.ENTTYP010, is "C".
 - b. The value of entity-type-code, 000.ENTTYP000, is "E".
 - c. The value of enterprise-identification-type-code, 002.ENTTYP002, is "CAG".
 - d. The value of document-type-code, 010.DOCTYP010, is 'ECP'.
 - e. The value of document-identification-type-code, 010.IDNTYP010, is "N".

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- f. If the value of 250.PECPFG250 is 'R' or 'S', then the value of primary-engineering-change-proposal-document-type-code, 250.PECPTY250, is 'ECP'.
- g. If the value of 250.PECPFG250 is 'R', then the value of engineering-change-proposal-document-implementation-sequence-code, 250.ECPSEQ250, is 'W'.
- h. If the value of 359.CRFDCG359 (sequence 46) is nonblank, the value of 359.ECPTY250 is 'ECP' and the values of 359.ECPCAG250 and 359.ECPNUM250 are the values in sequence 2 and 4, respectively.

DIP4.2.2.1.1 Subpackets 4A and 4B.

- a. The value of engineering-change-proposal-document-change-class-code, 251.ECP050251, is '2'. (See also: Appendix C, DED 0164.)
- b. The value of the engineering-change-proposal-document-format-type-code, 251.ECP08E251, is 'F'. (See also: Appendix C, DED 0194.)

DIP4.2.2.1.2 Subpacket 4C.

- a. The value of the engineering-change-proposal-document-format-type-code, 251.ECP08E251, is 'M'. (See also: Appendix C, DED 0194.)
- b. The value of engineering-change-proposal-document-change-class-code, 251.ECP050251, is '1'. (See also: Appendix C, DED 0164.)
- c. The value of ECP format, 251.ECP, is 'M'

DIP4.2.2.1.3 Subpacket 4D.

- a. The value of the engineering-change-proposal-document-format-type-code, 251.ECP08E251, is 'P'. (See also: Appendix C, DED 0194.)
- b. The value of engineering-change-proposal-document-change-class-code, 251.ECP050251, is '1'. (See also: Appendix C, DED 0164.)

DIP4.2.2.1.4 Subpackets 4E and 4F.

- a. The value of the engineering-change-proposal-document-format-type-code, 251.ECP08E251, is 'F'. (See also: Appendix C, DED 0194.)
- b. The value of engineering-change-proposal-document-change-class-code, 251.ECP050251, is '1'. (See also: Appendix C, DED 0164.)

DIP4.2.2.2 Subpacket 4G.

- a. The value of document-source-identification-type-code, 010.ENTTYP010, is "C".
- b. The value of entity-type-code, 000.ENTTYP000, is "E".
- c. The value of enterprise-identification-type-code, 002.ENTTYP002, is "CAG".
- d. The value of document-type-code, 010.DOCTYP010, is 'RFD'.

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- e. The value of document-identification-type-code, 010.IDNTYP010, is "N".
- f. If the value of 351.RFD018351 (sequence 42) is 'Y', then the value of 351.RFDCAG350, 351.RFDNUM350, 351.RFDTYP350, and 351.RFDREV351 are inherited into 359.CRFDCG359, 359.CRFDNO359, 359.RFDTYP340, and 359.RFDREV351, respectively.

DIP4.2.2.3 Subpacket 4H. The value of document-type-code, 010.DOCTYP010, is 'MODREQ'.

DIP4.2.2.4 Subpacket 4I.

- a. The value of document-type-code, 010.DOCTYP010, is 'MODINST'.
- b. If the value of 'Supplemental/affected document source' (sequence 65) is nonblank, the value of 461.TMNTYP550 is 'TECHMAN'.
- c. If the value of 'Supplemental/affected document source' (sequence 65) is nonblank and the value of 'Modification instruction type code' (sequence 26) is 'MWO', the value of 468.TMNTYP550 is 'TECHMAN'.
- d. If the value of 'Supplemental/affected document source' (sequence 65) is nonblank and the value of 'Modification instruction type code' (sequence 26) is 'RAC', the value of 467.TMNTYP550 is 'TECHMAN'.

DIP4.2.2.5 Subpacket 4J.

- a. The value of document-source-identification-type-code, 010.ENTTYP010, is "C".
- b. The value of entity-type-code, 000.ENTTYP000, is "E".
- c. The value of enterprise-identification-type-code, 002.ENTTYP002, is "CAG".
- d. The value of document-type-code, 010.DOCTYP010, is 'NOR'.
- e. The value of document-identification-type-code, 010.IDNTYP010, is "N".

DIP4.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

DIP4.4. Cost data requirements for Final Class I ECPs. ECP cost information shall be prepared and stored using a spread sheet.

DIP4.4.1. ECP cost information. A separate spread sheet will be prepared for each service or other government agency which will have to separately fund a portion of the ECP implementation to show their portion of the costs.⁸³ The cell contents of these spread sheets are shown in Table DIP4-II. For each spread sheet prepared, provide the DOD service component or other Government agency identifying acronym and the file identification.

DIP4.4.2 Instructions for preparing the spread sheet. This spread sheet is intended to capture the estimated net total cost/savings impact of this single ECP. Each cost factor associated with the ECP shall be considered as to whether such cost or portion thereof under the subject contract is recurring or nonrecurring. Enter cost savings as applicable, using entries in the "unit" and "quantity" columns when appropriate. Cost increases shall be entered as positive numbers, and cost decreases as negative numbers. Other costs/savings to the Government resulting from approval of this ECP shall be

⁸³ A multi-sheet spread sheet may be used in lieu of separate files. If a multi-sheet spread sheet is used, label each sheet to indicate to which service it applies, or if it is the summation sheet. In this case, enter the lead service acronym in 252.SERVID252.

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entered to the extent these costs can be determined by the performing activity. This estimate of cost impact will be used for planning purposes and for a Cost Reduction (code R) or Value (code V) ECP analysis as to the net saving that would result. If an ECP affects items being delivered to more than one service, a separate spread sheet shall be filled out for the quantities to be delivered to each service. Nonrecurring costs shall be prorated between the using services.

DIP4.4.2.1. Production costs/savings. Enter the estimate of costs/savings applicable to production of the CI resulting from incorporation of the change. Show redesign costs for the CI in the block titled "engineering & engineering data revision" when the item is in production. Enter the projected life cycle costs/savings applicable to the planned production and spares buys of the item that are not yet on contract on the CONFIGURATION ITEM/CSCI row. Calculate the subtotal of production costs (both nonrecurring, recurring, and future life cycle production).

DIP4.4.2.2. Retrofit costs. Enter the estimate of costs applicable to retrofit of the item, including installation and testing costs. When Government personnel accomplish, or are involved in, the installation and/or testing activities, the estimated costs shall be entered on the affected rows. Show only those design costs of the retrofit kit and data revision costs strictly related to retrofit in this section when the CI is in production; show all redesign and data revision costs in this section when the item is not in production. Costs of modifications required to existing GFE and subsequent testing also shall be shown. Calculate the subtotal of retrofit costs. If some or all of the retrofit activities and costs will have to be deferred and placed on contract at a future date, show that deferred portion of the cost applicable to each row.

DIP4.4.2.3. Logistic support costs/ savings. Enter the estimated cost of the various elements of logistics support applicable to the item covered by the ECP. On the row titled "interim support," estimated costs shall be entered based upon the period of time between initial installation/operation of the item (aircraft, tank, etc.) as modified by the ECP and Government attainment of support capability. Such "interim support" costs shall include costs estimates of performing activity recommended/provided spares and repair parts, special support equipment, training equipment and personnel training program. On the row titled "maintenance manpower" shall be entered the estimated costs/savings for the contracted maintenance support for the remainder of existing maintenance contracts. Other logistics support costs/savings associated with logistics support elements for which appropriate titles do not appear in the spread sheet may be entered on the row most closely associated with such costs. Calculate the subtotal of logistics support costs/savings. Calculate the operation and support portion of the life cycle cost/savings.

DIP4.4.2.4. Other costs/savings. If there are other costs under the contract which do not fall under the production, retrofit or logistics support headings, enter the total of such costs here. If there are other costs to the Government which do not fall under the production, retrofit or logistics support headings or under "coordination of changes by Government, enter the total of such costs on this row.

DIP4.4.2.5. Coordination of changes with other performing activities. This term applies to interface changes to items other than GFE, and changes to GFE being covered under retrofit costs. If such coordination changes are covered by related ECPs the estimated costs thereof shall not be entered here. However, if there are no related ECPs and coordination with other performing activities is still required, an estimate of such costs shall be entered here, when available.

DIP4.4.2.6. Coordination changes by Government. Enter an estimate of the cost to the Government of interface changes which must be accomplished in delivered items (aircraft, ships, facilities, etc.) to the extent such costs are not covered above, or in related ECPs.

DIP4.4.3. ECP summation. If the cost of the ECP are to be shared between two or more services or agencies, an ECP cost summation sheet shall be provided. The cell contents for this summation sheet are shown in Table DIP4-III.

DIP4.4.3.1. Estimated costs/savings under contract. enter the total estimated costs/savings impact of this ECP on the contract. This is the same as the amount which would appear in Cell G-44 as defined in Table DIP4-III. (See also: Appendix C, DED 0172.)

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DIP4.4.3.2. Estimated net total costs/savings to the Government. The estimated net total life cycle costs/savings is the summation of the primary and all related ECPs, including other costs/savings to the Government. This is the summation of the amount which appears in Cell G-47 (as defined in Table DIP4-III) for the basis and all related ECPs.

TABLE DIP4-II. Cell contents for ECP cost information spread sheet.

Col	Row	Content type	Cell content
A	1	text	'ESTIMATED NET TOTAL COST IMPACT (<i>Use parentheses for savings</i>)'
A	2	text	'FACTOR'
A	5	text	'a. PRODUCTION COSTS/(SAVINGS)'
A	6	text	' (1) Configuration Item/CSCI'
A	7	text	' (2) Factory Test Equipment'
A	8	text	' (3) Special Factory Tooling'
A	9	text	' (4) Scrap'
A	10	text	' (5) Engineering & Engineering Data Revision'
A	11	text	' (6) Revision of test procedures'
A	12	text	' (7) Qualification of New Items'
A	13	text	' (8) ' followed by either a blank row, or a user identified production cost factor not identified in rows a(1) through a(7)
A	14	text	' (9) ' followed by either a blank row, or a user identified production cost factor not identified in rows a(1) through a(8)
A	15	text	' (10) ' followed by either a blank row, or a user identified production cost factor not identified in rows a(1) through a(9)
A	16	text	' (11) SUBTOTAL OF PRODUCTION COSTS/(SAVINGS)'
A	17	text	'b. RETROFIT COSTS'
A	18	text	' (1) Engineering Data Revision'
A	19	text	' (2) Prototype Testing'
A	20	text	' (3) Kit Proof Testing'
A	21	text	' (4) Retrofit Kits for Operational Systems'
A	22	text	' (5) Prep of MWO/TCTO/ALT/TD'
A	23	text	' (6) Special tooling for retrofit'
A	24	text	' (7) Installation--contractor personnel'
A	25	text	' (8) Installation--Government personnel'
A	26	text	' (9) Testing after retrofit'
A	27	text	' (10) Modification of GFE/GFP'
A	28	text	' (11) Qualification of GFE/GFP'
A	29	text	' (12) ' followed by either a blank row, or a user identified retrofit cost factor not identified in rows b(1) through a(11)
A	30	text	' (13) ' followed by either a blank row, or a user identified retrofit cost factor not identified in rows b(1) through a(12)

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TABLE DIP4-II. Cell contents for ECP cost information spread sheet.

Col	Row	Content type	Cell content
A	31	text	' (14) ' followed by either a blank row, or a user identified retrofit cost factor not identified in rows b(1) through a(13)
A	32	text	' (15) SUBTOTAL OF RETROFIT COSTS/(SAVINGS)'
A	33	text	'c. INTEGRATED LOGISTICS SUPPORT COSTS/(SAVINGS)'
A	34	text	' (1) Retrofit of spares/repair parts'
A	35	text	' (2) New spares/repair parts'
A	36	text	' (3) Supply/provisioning data'
A	37	text	' (4) Support equipment'
A	38	text	' (5) Retrofit kits for spares'
A	39	text	' (6) Operator training courses'
A	40	text	' (7) Maintenance training courses'
A	41	text	' (8) Revision of tech manuals'
A	42	text	' (9) New tech manuals'
A	43	text	' (10) Training/Trainers'
A	44	text	' (11) Interim support'
A	45	text	' (12) Maintenance manpower'
A	46	text	' (13) Computer programs/documentation'
A	47	text	' (14) ' followed by either a blank row, or a user identified logistics cost factor not identified in rows c(1) through c(13) or c(17)
A	48	text	' (15) ' followed by either a blank row, or a user identified logistics cost factor not identified in rows c(1) through c(16) or c(17)
A	49	text	' (16) ' followed by either a blank row, or a user identified logistics cost factor not identified in rows c(1) through c(15) or c(17)
A	50	text	' (17) Operations and Support Cost change'
A	51	text	' (18) SUBTOTAL OF LOGISTICS SUPPORT COSTS/(SAVINGS)'
A	52	text	'd. OTHER COSTS/(SAVINGS)'
A	53	text	'e. SUBTOTAL COSTS/(SAVINGS)'
A	54	text	'f. ESTIMATED NET TOTAL COSTS/(SAVINGS)'
B	2	text	'COSTS/(SAVINGS) UNDER CONTRACT'
B	3	text	'Non-Recurring'
B	6-15	dollar value	User input field; value is based on titles of row and column
B	16	formula	sum of contents of cell B6 through B15
B	18-24	dollar value	User input field; value is based on titles of row and column
B	26-31		
B	32	formula	sum of contents of cell B18 through B31
B	34-49	dollar value	User input field; value is based on titles of row and column

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TABLE DIP4-II. Cell contents for ECP cost information spread sheet.

Col	Row	Content type	Cell content
B	51	formula	sum of values in cells B34 through B50
B	52	dollar value	User input field; value is based on titles of row and column
B	53	formula	sum of values in cells B16, B32, B51 and B52
C	3	text	'RECURRING'
C	4	text	'Unit'
C	6 and 9	dollar value	User input field (unit cost dollar value); value is based on titles of row and column
C	18-24		
C	26-31		
C	34-49		
D	4	text	'Quantity'
D	6 and 9	quantity value	User input field (quantity of units); value is based on titles of row and column
D	18-24		
D	26-31		
D	34-49		
E	4	text	'Total Recurring'
E	6 and 9	formula	product of the contents of cell C# and the contents of cell D# where # is the row number
E	16	formula	sum of the contents of cells E6 through E15
E	18-24	formula	product of the contents of cell C# and the contents of cell D# where # is the row number
E	26-31		
E	32	formula	sum of the contents of cells E18 through E31
E	34-49	formula	product of the contents of cell C# and the contents of cell D# where # is the row number
E	51	formula	sum of the contents of cells E34 through E50
E	52	dollar value	User input field; value is based on titles of row and column
E	53	formula	sum of values in cells E16, E32, E51 and E52
F	3	text	'Total'
F	6-16	formula	Sum of the contents of cell B# and cell E# where # is the row number
F	18-24		
F	26-32		
F	34-49		
F	51-53		
G	1	text	User input field; Enter the value of the data element engineering-change-proposal-cost-enterprise-identification-code
G	2	text	'Other Costs/(Savings) to the Tasking Activity'
G	6	dollar value	User input field; value is based on titles of row and column

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TABLE DIP4-II. Cell contents for ECP cost information spread sheet.

Col	Row	Content type	Cell content
G	16	formula	Copy of the contents of cell G6
G	18-31	dollar value	User input field; value is based on titles of row and column
G	32	formula	Sum of contents of cells G18 through G31
G	34-50	dollar value	User input field; value is based on titles of row and column
G	51	formula	Sum of contents of cells G34 through G50
G	52	dollar value	User input field; value is based on titles of row and column
G	53	formula	sum of values in cells G16, G32, G51 and G52
G	54	formula	sum of the contents of cells F53 and G53

- Notes: (1) The following cells are blank: A3, A4, B1, B4, B5, B17, B25, B33, B50, B54, C1-C2, C5, C7-C8, C10-C12, C16, C17, C25, C32, C33, C50-54, D1-D3, D5, D7-D8, D10-D12, D16, D17, D25, D32, D33, D50-54, E1-E3, E5, E7-E8, E10-E12, E17, E25, E33, E50, E54, F1-F2, F4, F17, F25, F33, F50, F54, G3-G5, G7-G12, G17, and G33. If desired by the originator, they can be X-filled or shaded.
- (2) Cell contents surrounded by quotation marks (' ') must be entered exactly as shown unless indicated otherwise.

TABLE DIP4-III. Cell contents for ECP summation cost spread sheet information.

Col	Row	Content type	Cell content
A	1	text	'ESTIMATED NET TOTAL COST IMPACT (<i>Use parentheses for savings</i>)'
A	2	text	'FACTOR'
A	5	text	'a. PRODUCTION COSTS/(SAVINGS)'
A	6	text	' (1) Configuration Item/CSCI'
A	7	text	' (2) Factory Test Equipment'
A	8	text	' (3) Special Factory Tooling'
A	9	text	' (4) Scrap'
A	10	text	' (5) Engineering & Engineering Data Revision'
A	11	text	' (6) Revision of test procedures'
A	12	text	' (7) Qualification of New Items'
A	13	text	' (8) ' followed by either a blank row, or the user identified production cost factor identified in this same cell on the service/agency spread sheet(s)
A	14	text	' (9) ' followed by either a blank row, or the user identified production cost factor identified in this same cell on the service/agency spread sheet(s)
A	15	text	' (10) ' followed by either a blank row, or the user identified production cost factor identified in this same cell on the service/agency spread sheet(s)
A	16	text	' (11) SUBTOTAL OF PRODUCTION COSTS/(SAVINGS)'
A	17	text	'b. RETROFIT COSTS'
A	18	text	' (1) Engineering Data Revision'
A	19	text	' (2) Prototype Testing'

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TABLE DIP4-III. Cell contents for ECP summation cost spread sheet information.

Col	Row	Content type	Cell content
A	20	text	' (3) Kit Proof Testing'
A	21	text	(4) Retrofit Kits for Operational Systems'
A	22	text	' (5) Prep of MWO/TCTO/ALT/TD'
A	23	text	' (6) Special tooling for retrofit'
A	24	text	' (7) Installation--contractor personnel'
A	25	text	' (8) Installation--Government personnel'
A	26	text	' (9) Testing after retrofit'
A	27	text	' (10) Modification of GFE/GFP'
A	28	text	' (11) Qualification of GFE/GFP'
A	29	text	' (12) ' followed by either a blank row, or the user identified retrofit cost factor identified in this same cell on the service/agency spread sheet(s)
A	30	text	' (13) ' followed by either a blank row, or the user identified retrofit cost factor identified in this same cell on the service/agency spread sheet(s)
A	31	text	' (14) ' followed by either a blank row, or the user identified retrofit cost factor identified in this same cell on the service/agency spread sheet(s)
A	32	text	' (15) SUBTOTAL OF RETROFIT COSTS/(SAVINGS)'
A	33	text	'c. INTEGRATED LOGISTICS SUPPORT COSTS/(SAVINGS)'
A	34	text	' (1) Retrofit of spares/repair parts'
A	35	text	' (2) New spares/repair parts'
A	36	text	' (3) Supply/provisioning data'
A	37	text	' (4) Support equipment'
A	38	text	' (5) Retrofit kits for spares'
A	39	text	' (6) Operator training courses'
A	40	text	' (7) Maintenance training courses'
A	41	text	' (8) Revision of tech manuals'
A	42	text	' (9) New tech manuals'
A	43	text	' (10) Training/Trainers'
A	44	text	' (11) Interim support'
A	45	text	' (12) Maintenance manpower'
A	46	text	' (13) Computer programs/documentation'
A	47	text	' (14) ' followed by either a blank row, or the user identified logistics cost factor identified in this same cell on the service/agency spread sheet(s)
A	48	text	' (15) ' followed by either a blank row, or the user identified logistics cost factor identified in this same cell on the service/agency spread sheet(s)
A	49	text	' (16) ' followed by either a blank row, or the user identified logistics cost factor identified in this same cell on the service/agency spread sheet(s)
A	50	text	' (17) Operation and Support Cost change'

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TABLE DIP4-III. Cell contents for ECP summation cost spread sheet information.

Col	Row	Content type	Cell content
A	51	text	' (18) SUBTOTAL OF LOGISTICS SUPPORT COSTS/(SAVINGS)'
A	52	text	'd. OTHER COSTS/(SAVINGS)'
A	53	text	'e. SUBTOTAL COSTS/(SAVINGS)'
A	54	text	'f. ESTIMATED NET TOTAL COSTS/(SAVINGS)'
B	2	text	'COSTS/(SAVINGS) UNDER CONTRACT'
B	3	text	'Non-Recurring'
B	6-13	formula	Sum of contents of all cell number B# for all instances of engineering-change-proposal-cost-enterprise-identification-code for this ECP, where # is the row number
B	18-24		
B	26-31		
B	34-49		
B	51-53		
C	3	text	'RECURRING'
C	4	text	'Total Recurring'
C	6, 9, and 16	formula	Sum of contents of all cell number E# for each service or agency for which there is an ECP cost sheet (all instances of engineering-change-proposal-cost-enterprise-identification-code) for this ECP, where # is the row number
C	18-24		
C	26-32		
C	34-53		
D	3	text	'Total'
D	6-16	formula	Sum of contents of all cell number F# for each service or agency for which there is an ECP cost sheet (all instances of engineering-change-proposal-cost-enterprise-identification-code) for this ECP, where # is the row number
D	18-24		
D	26-32		
D	34-53		
E	1	text	'TOTAL for THIS ECP (All Services)'
E	2	text	'Other Costs/(Savings) to the Tasking Activity'
E	6 and 16	formula	Sum of contents of all cell number G# for each service or agency for which there is an ECP cost sheet (all instances of engineering-change-proposal-cost-enterprise-identification-code) for this ECP, where # is the row number
E	18-32		
E	34-54		

- Note: (1) The following cells are blank: A3, A4, B1, B4, B5, B17, B25, B33, B47, B55, C1-C2, C5, C7-C8, C17, C25, C33, C54, D1-D2, D4-D5, D17, D25, D33, D54, E1, E3-E5, E7-E12, E17, E33. If desired by the originator, they can be X-filled or shaded.
- (2) Cell contents surrounded by quotation marks (' ') must be entered exactly as shown unless indicated otherwise.

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Data Information Packet 5

Configuration Management Action Item Status

DIP5.1. **Purpose.** Includes information concerning CCB-directed actions and configuration audit actions and their status.

DIP5.1.1 **Subpackets.** There are 2 subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
5A	ECP/RFD implementation actions
5B	Configuration audit actions

DIP5.2. **Content of data information subpackets.** The data information subpackets define the elements to be provided and correlate the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 5A) shall be followed by the various elements in the order shown in Table DIP5-I, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

TABLE DIP5-I. Configuration management action item status

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		5A	5B		
1	Enterprise identifier	M		262.CCBENT262 or 370.CCBENT370 ¹	DIP5.2.1.a. The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170).
2	Program name	M		262.PROGNM691 or 370.PROGNM691 ¹	DIP5.2.1.b and Appendix C, DED 0059
3	CCB name	M		262.CCBNAM700 or 370.CCBNAM700 ¹	Appendix C, DED 0151
4	Document type code/Audit type code	M	M	262.ECPTYP250 or 370.RFDTYP350 or 675.AUDTYP675 ²	DIP5.2.1.c and for subpacket 5A, Appendix C, DED 0004; for subpacket 5B, Appendix C, DED 0070
5	ECP/RFD CAGE code	M		262.ECPCAG250 or 370.RFDCAG350 ¹	DIP5.2.1.d and Appendix C, DED 0001

¹ Use Table 262 for ECPs and Table 370 for RFDs.

² For subpacket 7A: Use Table 262 for ECPs and Table 370 for RFDs.
For subpacket 7B: Use Table 675.

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TABLE DIP5-I. Configuration management action item status

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		5A	5B		
6	ECP/RFD alphanumeric identifier/Contract identifier	M	M	262.ECPNUM250 or 370.RFDNUM350 or 675.CONIDN950 ²	DIP5.2.1.e and for subpacket 5A, Appendix C, DED 0001; for subpacket 5B, Appendix C, DED 0015
7	CI identifier		M	675.CIIDEN695	DIP5.2.1.f and Appendix C, DED 0111
8	Audit date		M	675.AUDDAT675	Appendix C, DED 0082
9	ECP/RFD revision	M		262.ECPREV251 or 370.RFDREV351 ¹	DIP5.2.1.g and Appendix C, DED 0009
10	Action item identifier	M	M	262.ECPACT262 or 370.RFDACT370 or 676.AUDACT676 ³	Appendix C, DED 0072
11	Action item title	M	M	262.ACTTTL262 or 370.ACTTTL370 or 676.ACTTTL676 ³	Appendix C, DED 0136
12	Action item description	M	M	262.ACTDES262 or 370.ACTDES370 or 676.ACTDES676 ³	for subpacket 5A, Appendix C, DED 0185; for subpacket 5B, Appendix C, DED 0065
13	Action item comment	O	O	262.ACTCOM262 or 370.ACTCOM370 or 676.ACTCOM676 ³	Appendix C, DED 0066
14	Responsible enterprise	M	M	262.RESPON262 or 370.RESPON370 or 676.ENTIDN002 ³	DIP5.2.1.h. The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170).
15	Responsible office	M	M	262.RESOFF262 or 370.RESOFF370 or 676.OFFSYM941 ³	DIP5.2.1.i and Appendix C, DED 0044
16	Affected technical manual source	O		262.SRCDOD552	DIP5.2.1.j and Appendix C, DED 0002
17	Affected technical manual iteration type code	O		554.ITTYPE554	DIP5.2.1.j and Appendix C, DED 0196
18	Affected technical manual identifier	O		262.DOCNUM552	DIP5.2.1.j
19	ECP/RFD approval status date	M		262.STADAT850 or 370.STADAT850 ¹	Appendix C, DED 0082
20 ⁴	Violated document type		M	681.DOCTYP010	DIP5.2.1.k and Appendix C, DED 0004

³ For subpacket 7A: Use Table 262 for ECPs and Table 370 for RFDs
For subpacket 7B: Use Table 676.

⁴ The series of fields 20, 21, 25 (identifying a contract citation), 20, 21, 22, 25 (identifying a SOW citation) and 20, 21, 23, 24, 25 (identifying an 'other document' citation) may be repeated as necessary.

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TABLE DIP5-I. Configuration management action item status

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		5A	5B		
21 ⁴	Violated contract modification/ document revision		M	679.CONMOD951 or 680.CONMOD951 or 681.DOCREV011 ⁵	for contract modifications (Tags ###.CONMOD951), Appendix C, DED 0120; for other documents (Tag 681.DOCREV011), the transmitted field must be 8 characters, left justified and consist of a revision identifier conforming to either DED 0009 or 0143, as appropriate to the document.
22 ⁴	Violated SOW identifier		O	680.SOWIDN957	Appendix C, DED 0229
23 ⁴	Violated document source		O ⁶	681.SRCIDN010	The transmitted field must be 30 characters, left justified and consist of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170). See also: Table B-I
24 ⁴	Violated document identifier		O ⁷	681.DOCIDN010	The transmitted field must be 240 characters, left justified and consist of either an alphanumeric identifier (Appendix C, DED 0003) or a title (Appendix C, DED 0008) as appropriate. See also: Table B-I
25 ⁴	Violated document reference citation		M	679.DOCREF679 or 680.DOCREF680 or 681.DOCREF681 ⁸	Appendix C, DED 0075
26 ⁹	ECP CAGE code		O	682.ECPCAG250	DIP5.2.1.1 and Appendix C, DED 0001
27 ⁹	ECP identifier		O	682.ECPNUM250	DIP5.2.1.1 and Appendix C, DED 0003
28	Action item status code	M	M	264.STACOD264 or 372.STACOD372 or 678.STACOD678 ¹⁰	Appendix C, DED 0021

⁵ If the value of 'violated document type' (sequence 20) is 'CONTRCT', use 679.CONMOD951; if the value of 'violated SOW identifier' (sequence 22) is nonblank, use 680.CONMOD951; otherwise, use 681.DOCREV011.

⁶ Must be blank if the violated document type (sequence 20) is 'CONTRCT', or if the violated SOW identifier (sequence 22) is nonblank.

⁷ Must be blank if Violated document source (sequence 23) is blank; must be nonblank if violated document source is nonblank.

⁸ If the violated document type (sequence 20) is 'CONTRCT', use 679.DOCREF679; if the violated SOW identifier (sequence 22) is nonblank, use 680.DOCREF680; for other documents, use 681.DOCREF681.

⁹ The series of fields 'ECP CAGE code' (sequence 26) and 'ECP identifier' (sequence 27) may be repeated as necessary.

¹⁰ For Data Information subpacket 7A; Use Table 264 for ECPs and Table 372 for RFDs.
For Data Information subpacket 7B: Use Table 678.

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TABLE DIP5-I. Configuration management action item status

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		5A	5B		
29	Action item status date	M	M	264.STADAT264 or 372.STADAT372 or 678.STADAT678 ¹⁰	Appendix C, DED 0082
30	Action item status comment	O	O	264.ACTCOM264 or 372.ACTCOM372 or 678.ACTCOM678 ¹⁰	Appendix C, DED 0066

DIP5.2.1 Content instructions.

- a. Enter the name of the enterprise which convened the CCB which established these implementation action items.
- b. Enter the program name of the program for which the CCB which established these implementation action items was convened.
- c. For subpacket 5A, enter either 'ECP' or 'RFD'.
- d. Enter the CAGE code of the ECP or RFD for which these implementation action items were established.
- e. For Data Information subpacket 5A, enter the ECP or RFD number for which these implementation action items were established. For Data Information subpacket 5B, enter the complete identification of the contract on which this audit was performed.
- f. Enter the CI identifier for which this audit was performed.
- g. For Data Information subpacket 5A, enter the revision letter of the approved ECP/RFD for which these implementation action items were established.
- h. Enter the identification of the enterprise which is responsible for performing the action identified in sequence 10.
- i. Enter the identification of the specific office within the enterprise which is responsible for performing the action identified in sequence 10.
- j. Enter the identification information (sequence 16 through 18) on the technical manual which must be changed as a result of the approved ECP and which is addressed by this implementation action item. See Table DIP5-II for guidance on which DED is applicable to sequence 18.

Table DIP5-II. Reference DEDs for technical manual document identifiers

If value of affected technical manual iteration type code (sequence 17) is:	For document identification rules (sequence 18), see Appendix C, DED:
C	0135
D	0003
S	0218

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k. Enter the document type of the document which contains the reference which is the reason for the audit action item.¹¹

l. Enter the identification of the ECP which corrects the problem identified by this audit action item.

DIP5.2.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP5.2.2.1 Subpacket 5A.

- a. If the value of Affected Technical manual source (sequence 16) is nonblank, then the value of 262.TMNTYP552 is 'TECHMAN'.
- b. The ECP/RFD approval status code (262.REVSTA850 or 370.REVSTA850) must have a value of 'APV'. (See also: Appendix C, DED 0021.)

DIP5.2.2.2 Subpacket 5B. The document type code for the ECP identified in sequence 26 and 27 is 'ECP' and is used in 682.ECPTYP250.

DIP5.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

¹¹ For a Statement of Work, use 'MISC'.

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Project Management

DIP6.1. Purpose. Includes system/project and configuration item designations and hierarchy, CCB organization and responsibility, baseline assignment, CDRL information, document review and disposition, CDRL submittal review and disposition, identify staff and organization address and related contact information.

DIP6.1.1 Subpackets. There are 14 subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
6A1	Identify organization
6A2	Add/change/remove staff member
6B1	Establish System/program/project and hierarchy
6B2	Assign CI nomenclature and establish CI hierarchy
6B3	Establish CCB and hierarchy
6C1	Define contract
6C2	Define CDRL
6C3	Define/change contract event (milestone)
6C4	Define data delivery plan
6C5	Submit data item
6D1	Technical review of and comment on document representation
6D2	Technical review of and comment on document
6D3	Technical review of and comment on data item
6D4	Disposition of a document representation
6D5	Disposition of a document
6D6	Disposition of a data item submittal
6D7	Issue CCB directive
6D8	DCMC classification concurrence
6E1	Correlate document to baseline
6E2	Assign CPIN
6E3	Assign PAN
6F1	Transfer CDCA of document
6F2	Add document representation to document
6F3	Change document custodian
6F4	Add, change, or delete application activity (including GLAA)

DIP6.2. Content of data information subpackets. The data information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the subpacket number (for example: 6A2) shall be followed by the various elements in the order shown in the appropriate table below, except that fields which are not applicable (denoted by blank) and optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the data element tag as shown in the table. The full field size for the data element, as shown in Appendices B and C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields. The end of each data subpacket shall be indicated by the inclusion of "/end". The last column in the table contains a reference to the contents of the data element.

DIP6.2.1 Subpackets 6A1 and 6A2. Provide the information as required by Table DIP6-I.

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Table DIP6-I: Organization and staff data information subpackets

Seq #	Field name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		6A1	6A2		
1	Entity type code	M		000.ENTTYP000	Appendix C, DED 0076
2	Enterprise identification type code	O ¹		002.ENTTYP002	Appendix C, DED 0050
3	CAGE type code	O ²		003.CAGTYP003	Appendix C, DED 0102
4	Organization type identifier	O ³		004.ORGTY004	Appendix C, DED 0095
5	DOD organization type identifier	O ⁴		034.DODTYP034	Appendix C, DED 0097
6	Service Acronym	O ⁵		DIP6A1.6	Appendix C, DED 0002, united-states-defense-component-enterprise-acronym-identification-code and DIP6.2.1.1.a
7	Navy command	O ⁶		DIP6A1.7	Appendix C, DED 0002, united-states-navy-command-enterprise-acronym-identification-code and DIP6.2.1.1.a
8	Entity identifier	M	M	000.ENTYID000	Table DIP6-II
9	CAGE/NSCM code	O ⁷		006.CAGNUM003 or 007.CAGNUM003 ⁸	Appendix C, DED 0001 and DIP6.2.1.1.b
10	Organization name	O ³		004.ENTNAM004	Appendix C, DED 0170 and DIP6.2.1.1.c
11	Mailing address	O	M	940.ADDRES940	Appendix C, DED 0039
12	Office symbol	O	M	941.OFFSYM941	Appendix C, DED 0044
13	Office security clearance level	O ⁹		941.HICLAS941	Appendix C, DED 0224
14	Staff member name		M	943.PERNAM943	Appendix C, DED 0069

¹ Mandatory if the value of 'Entity type code' (sequence 1) is 'E'; must be blank for all other values of 'Entity type code'.

² Mandatory if the value of 'Enterprise identification type code' (sequence 2) is 'CAG'; must be blank for all other values of 'Enterprise identification type code'.

³ Mandatory if the value of 'Enterprise identification type code' (sequence 2) is 'ORG'; must be blank for all other values of 'Enterprise identification type code'.

⁴ Mandatory if the value of 'Organization type identifier' (sequence 4) is 'DOD'; must be blank for all other values of 'Organization type identifier'.

⁵ Mandatory if the value of 'DOD organization type identifier' (sequence 5) is 'SERVICE'; must be blank for all other values of 'DOD organization type identifier'.

⁶ Mandatory if the value of 'Service acronym' (sequence 6) is 'USN'; must be blank for all optional for all other values of 'Service acronym'.

⁷ May be nonblank if the value of 'Enterprise identification type code' (sequence 2) is 'COM', or if the value of 'Organization type identifier' (sequence 4) is 'DOD'. Must be blank for all other cases.

⁸ If the value of 'Organization type identifier' (sequence 4) is 'COM', use the Tag that starts with 006. If the value of 'Organization type identifier' (sequence 4) is 'DOD', use the Tag that starts with 007.

⁹ Must be blank if 'Office symbol' (sequence 10) is blank.

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Table DIP6-I: Organization and staff data information subpackets

Seq #	Field name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		6A1	6A2		
15	Telephone number	O	O	942.TELPHN942 or 943.TELPHN943 ¹⁰	Appendix C, DED 0225
16	Fax number	O	O	942.FAXNUM942 or 943.FAXNUM943 ¹⁰	Appendix C, DED 0225
17	EMail address		O	943.EMAILX943	Appendix C, DED 0225

DIP6.2.1.1 Content instructions for subpackets 6A1 and 6A2.

- a. This is necessary for the validation of the report.

TABLE DIP6-II: Reference entity identifier DEDs

Seq # (from Table DIP6-I)	Field Name (from Table DIP6-I)	Value of Field	For content instructions, see DED
1	Entity type code	H	0069, author-human-name
2	Enterprise identification type code	CAG	0001, enterprise-defense-logistics--assigned-identification-code
		COM	0170, commercial-name
4	Organization type identifier	INT	0002, international-organization-code
		NON-US-GOVT	0002, non--united-states-government-enterprise-acronym-identification-code
		NON-US-NONGOVT	0002, non--united-states-nongovernment-enterprise-acronym-identification-code
		US-GOV-NONDEF	0002, united-states-government-nondefense-enterprise-acronym-identification-code
		US-NONGOVT	0002, united-states-nongovernment-enterprise-acronym-identification-code
5	DOD organization type identifier	AGENCY	0002, united-states-defense-department-enterprise-acronym-identification-code
		JSTAFF	
		OSD	
		UNI/SPEC	
6	Service Acronym	USA	0002, united-states-defense-component-enterprise-acronym-identification-code
		USAF	
		USMC	
7	Navy command identifier	NAVAIR	0002, united-states-navy-command-enterprise-acronym-identification-code
		NAVSEA	

¹⁰ For subpacket 6A1: Use the Tag that starts with 942.
For subpacket 6A2: Use the Tag that starts with 943.

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- b. Enter the CAGE (or NSCM) code associated with the company or U.S. DOD organization identified in sequence 8 ('Entity identifier').
- c. Enter the name of the organization whose acronym is used as the entity identifier in sequence 8 ('Entity identifier').

DIP6.2.1.2 **Constants.** The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP6.2.1.2.1 **Subpacket 6A2.** If the Mailing address' and 'Office symbol' are both nonblank, they are concatenated with the Enterprise identifier ('Entity identifier' in sequence 8) and entered in 942.DIVADD942. (See also: Appendix C, DED 0081.)

DIP6.2.2 **Subpackets 6B1, 6B2, and 6B3.** Provide the information as required by Table DIP6-III.

Table DIP6-III: System/CI/CCB data information subpackets

Seq #	Field name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		6B1	6B2	6B3		
1	System/project/program name	M	M	M	691.PROGNM691 or 692.PROGNM691 or 700.PROGNM691 ¹¹	Appendix C, DED 0059
2	Next higher system/project/program name	O			698.SYSNAM698	Appendix C, DED 0059 and DIP6.2.2.1.a
3	CI type		M	M	695.CITYPE695	Appendix C, DED 0115
4	CI designation standard		O ¹²		693.CISTND693	Appendix C, DED 0051
5	CI designation		O ¹²		693.CIDESG693	Appendix C, DED 0045
6	CI name		O ¹²		209.PARNAM209	Appendix C, DED 0046
7	Software source		O ¹³		696.SWSORC170	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069).

¹¹ For subpacket 6B1: Use the Tag that starts with 691.
For subpacket 6B2: Use the Tag that starts with 692.
For subpacket 6B3: Use the Tag that starts with 700.

¹² If the value of 'CI type' (sequence 3) is 'H', the fields 'CI designation standard', 'CI designation', and 'CI name' (sequence 4 through 6) must be nonblank; if the value is 'C', they must be blank.

¹³ If the value of 'CI type' (sequence 3) is 'C', the fields 'Software source' and 'Software identifier' (sequence 7 and 8) be nonblank; if the value is 'H', they must be blank.

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Table DIP6-III: **System/CI/CCB data information subpackets**

Seq #	Field name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		6B1	6B2	6B3		
8	Software identifier		O ¹³		696.SWIDEN170	The transmitted field must be 248 characters, left justified and consisting of either a software alphanumeric identifier (Appendix C, DED 0088), a part number (Appendix C, DED 0024), or a software product identifier (Appendix C, DED 0262)
9	CCB type			M	700.CCBTYP700	Appendix C, DED 0173
10	CI Identifier	O		O ¹⁴	703.CIIDEN695	Appendix C, DED 0111 and DIP6.2.2.1.b
11	Primary equipment CI		O		694.PCIIDN694	Appendix C, DED 0111 and DIP6.2.2.1.c
12	Program (or project) management/CCB convening enterprise	M		M	700.ENTIDN002 or 701.ENTIDN002 ¹⁵	DIP6.2.2.1.d. The transmitted field must be 30 characters, left justified, and consisting of either a CAGE code (Appendix C, DED 0001, an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170).
13	CCB name	O ¹⁶		M	700.CCBNAM700 or 703.CCBNAM700 ¹⁷	Appendix C, DED 0151
14	Next higher level CCB			O	700.TOPCCB700	Appendix C, DED 0089 and DIP6.2.2.1.e
15	CCB chairperson			O ^{18,19}	700.PERNAM943	Appendix C, DED 0069
16	CCB member name			O ^{18,20}	702.PERNAM943	Appendix C, DED 0069
17	CCB chairperson/member address			O ^{19,20}	700.DIVADD942 or 702.DIVADD942 ²¹	Appendix C, DED 0081

¹⁴ If the value of 'CCB type' (sequence 9) is 'S', this field must be blank; this field must be nonblank for all other values of 'CCB type'.

¹⁵ For subpacket 6B1: Use the Tag that starts with 701.
For subpacket 6B3: Use the Tag that starts with 703.

¹⁶ Mandatory if 'CI identifier' (sequence 9) is nonblank; must be blank if 'CI identifier' is blank.

¹⁷ For subpacket 6B1: Use the Tag that starts with 703.
For subpacket 6B3: If the 'CI identifier' (sequence 9) is blank, use the Tag that starts with 700; if the 'CI identifier' is nonblank, use the Tag that starts with 703.

¹⁸ If the 'CCB chairperson' (sequence 15) is nonblank, the 'CCB member name' (sequence 16) must be blank. If the 'CCB member name' is nonblank, the 'CCB chairperson' must be blank.

¹⁹ The fields 'CCB chairperson' and 'CCB member address' (sequence 15 and 17) must either both be blank, or both be nonblank.

²⁰ The fields 'CCB member name' and 'CCB member address' (sequence 16 and 17) must either both be blank, or both be nonblank.

²¹ If the 'CCB chairperson' (sequence 15) is nonblank, use 700.DIVADD942; if the 'CCB member name' (sequence 16) is nonblank, use 702.DIVADD942.

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Table DIP6-III: **System/CI/CCB data information subpackets**

Seq #	Field name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		6B1	6B2	6B3		
18	CCB position			O ²²	702.RESPON702	Appendix C, DED 0154 and DIP6.2.2.1.f

DIP6.2.2.1 Content instructions for subpackets 6B1 through 6B3.

- a. If the system (sequence 1) is a subsystem, enter the next higher level system/subsystem for which this is a subsystem.
- b. For subpacket 6B1, if this system (sequence 1) consists of one or more CIs, enter the CI identification here. For subpacket 6B3, if this CCB is responsible for one or more CIs, enter the CI identification here.
- c. If the system (sequence 1) is support equipment for another system, enter the name of the supported system(s).
- d. For subpacket 6B1, enter the enterprise(s) responsible for management of this system/program. For subpacket 6B3, enter the enterprise which is responsible for all or part of this system and which is the convening authority for this CCB.
- e. If there is a hierarchy of CCBs, and there is a higher level CCB to which this CCB reports for this system and/or CI (even if it is convened by a different enterprise) enter the complete identity of the higher level CCB.
- f. Enter the area of responsibility of this CCB member (for example: logistics, engineering, purchasing, etc.)

DIP6.2.2.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP6.2.2.2.1 Subpacket 6B2.

- a. If the value of 'CI type' (sequence 3) is 'H', the values of 'CI designation' and 'CI designation name' (sequence 5 and 6) are concatenated and entered in 690.CINOMN690 and 695.CIIDEN695.
- b. If the value of 'CI type' (sequence 3) is 'C', the values of 'Software source' and 'Software identifier' (sequence 7 and 8) are concatenated and entered in 695.CIIDEN695.

DIP6.2.3 Subpackets 6C1 through 6C4. Provide the information as required by Table DIP6-IV.

DIP6.2.3.1 Content instructions for subpackets 6C1 through 6C4.

- a. Enter the paragraph, figure, table, etc. reference in the contract which was the source of the requirement for this contract data item; or, enter the Statement of Work (SOW) identification and the paragraph, figure, table, etc. reference in the SOW which was the source of the requirement for this contract data item.

²² If the 'CCB member name' (sequence 16) is blank, this field must be blank.

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- b. Enter the cut-off date for collecting information for inclusion in this data submittal. Express this either as a calendar date, or as an interval of time before or after a specific contractual event.
- c. Enter the initial submittal due date for this data submittal. For subpacket 6C2, express this either as a calendar date, or as the appropriate code. For subpacket 6C4, express this either as a calendar date, or as an interval of time before or after a specific contractual event.
- d. Enter the subsequent submittal due date for this data submittal. For subpacket 6C2, express this either as a calendar date, or as the appropriate code. For subpacket 6C4, express this either as a calendar date, or as an interval of time before or after a specific contractual event.
- e. For the first submittal of a document (or set of documents) as required by a CDRL item, enter a dash (-). Each time this document is corrected and resubmitted *as part of the same approval cycle* for the document, enter a sequentially assigned letter (for example: A, B, C, etc., except that the letter 'O' will not be used). If a later revision of the document is submitted to start a new approval cycle, a dash (-) should be used.
- f. For subpacket 6C1 enter the addressee of the contract and the number of copies to be delivered.
- g. For subpackets 6C2 and 6C5, enter the customer technical office responsible for the technical review and disposition of the data item document, the method/medium of delivery of the data, and the number of copies to be delivered by this method/medium.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
1	Contract identifier	M	M	M	M	M	950.CONIDN950 or 961.CONIDN950 ²³	Appendix C, DED 0015 and for 6C2 only: DoD 5010.12-M instructions for DD Form 1423 Block A.
2	Contract modification	M	M		M	M	951.CONMOD951	Appendix. C, DED 0120
3	Contract name	O					950.CONNAM950	Appendix. C, DED 0071
4	Contract type code	O					950.FEETYP950	Appendix. C, DED 0227
5	Performing activity enterprise identifier	M					950.SELENT950	The transmitted field must be 30 characters, left justified, and consisting of either a CAGE code (Appendix C, DED 0001, an organization acronym (Appendix C, DED 0002), or a company name (Appendix C, DED 0170).
6	Performing activity Point of Contact (POC) name	O					950.SELNAM950	Appendix. C, DED 0069
7	Performing activity Point of Contact (POC) address	O ²⁴					950.SELADD950	Appendix. C, DED 0081
8	ACO name	O					950.ACONAM950	Appendix. C, DED 0069
9	ACO address	O ²⁵					950.ACOADD950	Appendix. C, DED 0081
10	PCO name	O					950.PCONAM950	Appendix. C, DED 0069
11	PCO address	O ²⁶					950.PCOADD950	Appendix. C, DED 0081
12	Contract/modification effective date	M					951.CONDAT951	Appendix. C, DED 0082
13	Modification description	O					951.CONDES951	Appendix. C, DED 0140
14	Contract period of performance in months	M					951.PERIOD951	Appendix. C, DED 0145

²³ For subpacket 6C3: Use the Tag that starts with 961:
For all other subpackets: Use the Tag that starts with 950.

²⁴ The value of 'performing activity point of contact address' (sequence 7) must be blank if the value of 'performing activity point of contact name' (sequence 6) is blank.

²⁵ The value of 'ACO address' (sequence 9) must be blank if the value of 'ACO name' (sequence 8) is blank.

²⁶ The value 'PCO address' (sequence 11) must be blank if the value of 'PCO name' (sequence 10) is blank.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
15	Modification affect on delivery schedule	O					951.CONAFF951	Appendix. C, DED 0198
16	Modification affect on schedule A	O					951.SCHAAF951	Appendix. C, DED 0198
17	Modification affect on schedule B	O					951.SCHBAF951	Appendix. C, DED 0198
18	Modification affect on schedule C	O					951.SCHCAF951	Appendix. C, DED 0198
19	Modification affect on schedule D	O					951.SCHDAF951	Appendix. C, DED 0198
20	Modification affect on schedule E	O					951.SCHEAF951	Appendix. C, DED 0198
21	Modification affect on schedule F	O					951.SCHF951	Appendix. C, DED 0198
22	Modification affect on schedule G	O					951.SCHGAF951	Appendix. C, DED 0198
23	Modification affect on schedule H	O					951.SCHHAF951	Appendix. C, DED 0198
24	Modification affect on schedule I	O					951.SCHIAF951	Appendix. C, DED 0198
25	Modification affect on schedule J	O					951.SCHJAF951	Appendix. C, DED 0198
26	Modification affect on schedule K	O					951.SCHKAF951	Appendix. C, DED 0198
27	Modification affect on CDRL	O					951.CDRLAF951	Appendix. C, DED 0198
28	Modification affect on address list	O					951.CDADAF951	Appendix. C, DED 0198
29	Modification affect on Statement of Work	O					951.SOWAFF951	Appendix. C, DED 0198
30	Modification affect on other attachments	O					951.OATTAF951	Appendix. C, DED 0198
31	Modification affect on other exhibits	O					951.OTEXAF951	Appendix. C, DED 0198
32	Modification affect on distribution statement	O					951.DISSAF951	Appendix. C, DED 0198
33 ²⁷	Contract line item number (CLIN)	O	M			O	959.CLINUM959 or 958.CLINUM959 ²⁸	Appendix C, DED 0017

²⁷ Repeat the series of fields: 'Contract line item number', 'CLIN description', 'CLIN quantity & unit of measure', and 'Contract exhibit identifier' (sequence 33 through 36) as necessary.

²⁸ If 'Contract exhibit identifier' (sequence 36) is nonblank, use the Tag that starts with 958, otherwise, use the Tag that starts with 959.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
34 ²⁸	CLIN description	O ²⁹					959.CLINDS959	Appendix C, DED 0109
35 ²⁸	CLIN quantity & unit of measure	O ²⁹					959.CLINQT959 and 959.UOMCOD959	Appendix C, DED 0144 and 0054
36 ²⁸	Contract exhibit identifier	O	M		M	M	952.CONEXH952 or 958.CONEXH952 ³⁰	Appendix C, DED 0007 and for 6C2 only: DoD 5010.12-M instructions for DD Form 1423 Block B
37	CI identifier (DD 1423 Block D)		O				952.CIIDEN695	Appendix C, DED 0111
38	CDRL form preparation date (DD 1423 Block H)		O				952.PREPDT952	Appendix C, DED 0082
39	CDRL form preparer (DD 1423 Block G)		O				952.PREPNM952	Appendix C, DED 0069
40	CDRL form approval date (DD 1423 Block J)		O				952.APPRDT952	Appendix C, DED 0082
41	CDRL form approver (DD 1423 Block I)		O				952.APPRNM952	Appendix C, DED 0069
42	CDRL form category code (DD 1423 Block C)		O				952.CDRLCT952	Appendix C, DED 0201
43	CDRL sequence number (DD 1423 Block 1)		M		M	M	953.CDRLIN953	Appendix C, DED 0005
44	CDRL line item revision indicator		O				953.SUFXCD953	Appendix C, DED 0205
45	Title of data item (DD 1423 Block 2)		M		M	M	953.CDR020953 or 954.SUBTIT954 ³¹	Appendix C, DED 0008
46	Subtitle of data item (DD 1423 Block 3)		O				953.CDR030953	Appendix C, DED 0008
47	Data Item Description identifier (DD 1423 Block 4)		O				953.CDR040953	Appendix C, DED 0230
48	Contract or statement of work reference (DD 1423 Block 5)		O				953.SOWIDN957 and/or 953.CDR050953 ³²	Appendix C, DEDs 0075 and 0229, and DIP6.2.3.1.a

²⁹ Must be blank if 'Contract line item number' (sequence 33) is blank.

³⁰ If 'Contract line item number' (sequence 33) is nonblank, use the Tag that starts with 958, otherwise use the Tag that starts with 952.

³¹ For subpackets 6C2 and 6C4: Use the Tag that starts with 953.
For subpacket 6C5: Use the Tag that starts with 954.

³² For a contract reference, use 953.CDR050953 only; for a SOW reference, use both fields.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
49	Requiring office/Technical monitor (DD 1423 Block 6)		O		O	O	953.CDR060953 or 954.TSKTEK954 ³³	Appendix DED 0228
50	Contractor POC office					O	954.PRFTEK954	Appendix C, DED 0228
51	DD 250 Requirement code (DD 1423 Block 7)		O				953.CDR070953	Appendix C, DED 0202
52	Approval requirement code (DD 1423 Block 8)		O				953.CDR080953	Appendix C, DED 0203
53	Distribution statement requirement (DD 1423 Block 9)		M				953.DISCOD014	Appendix C, DED 0014
54	Frequency of submittal (DD 1423 Block 10)		O				953.CDR100953	Appendix C, DED 0197
55	As of Date for submittals (DD 1423 Block 11)		O		M		953.CDR11D953 or 953.CDR11T953 or 954.COFFDT954 or 954.COFFDL954 ³⁴	Appendix C, DEDs 0082 and 0161, and DIP6.2.3.1.b
56	Date of first submission (DD 1423 Block 12)		O		M		953.CDR12C953 or 953.CDR12D953 or 954.INDUDL954 or 954.INDUDT954 ³⁵	Appendix C, DEDs 0082, 0233, and 0234, and DIP6.2.3.1.c
57	Date of subsequent submission (DD 1423 Block 13)		O		O ³⁶		953.CDR13C953 or 953.CDR13D953 or 954.SBDUDL954 or 954.SBDUDT954 ³⁷	Appendix C, DEDs 0082, 0233, and 0234, and DIP6.2.3.1.d

³³ For subpacket 6C2: Use the Tag that starts with 953.
For subpackets 6C4 and 6C5: Use the Tag that starts with 954.

³⁴ For subpacket 6C2: Use either 953.CDR11D953 or 953.CDR11T953
For subpacket 6C4: Use either 954.COFFDT954 or 954.COFFDL954.

³⁵ For subpacket 6C2: Use either 953.CDR12C953 or 953.CDR12D953.
For subpacket 6C4: Use either 954.INDUDT954 or 954.INDUDL954.

³⁶ If the value of 'CDRL submittal type code' (sequence 70) is 'F', this field must be blank.

³⁷ For subpacket 6C2: Use either 953.CDR13C953 or 953.CDR13DT953.
For subpacket 6C4: Use either 954.SBDUDT954 or 954.SBDUDL954.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
58	CDRL Remarks (DD 1423 Block 16)		O		O	O	953.CDR160953 or 954.SUBRMK954 or 955.SUBCOM955 ³⁸	For 6C2: Appendix C, DED 0204; For 6C4 and 6C5: Appendix C, DED 0153
59	CDRL price group (DD 1423 Block 17)		O				953.CDR170953	Appendix C, DED 0199
60	Estimated CDRL price (DD 1423 Block 18)		O				953.CDR180953	Appendix C, DED 0200
61	CDRL item submittal number		M		M	M	954.CDRLSB954	Appendix C, DED 0020
62	CDRL item submittal revision		D		D	M	955.SUBREV955	Appendix C, DED 0099 and DIP6.2.3.1.e
63	Revised submittal due date					O ³⁹	955.SUBDUE955	Appendix C, DED 0082
64	Contract/CDRL submittal addressee/reviewing office	O	O			M	962.DIVADD942 or 963.FILADD963 ⁴⁰	Appendix C, DED 0081 and for 6C1: DIP6.2.3.1.f; for 6C2 and 6C5: DIP6.2.3.1.g and DoD 5010.12-M instructions for DD Form 1423, Block 14a and 14b.
65	Document delivery method		O			M	964.DELMTH964	Appendix C, DED 0139 and DIP6.2.3.1.g
66	Quantity of documents to be delivered	O	O			M	962.DOCQTY962 or 964.DOCQTY964 ⁴¹	Appendix C, DED 0158 and for 6C1: DIP6.2.3.1.f; for 6C2 and 6C5: DIP6.2.3.1.g and DoD 5010.12-M instructions for DD Form 1423, Block 14a and 14b.
67	Contract event code			M	O		961.EVNCOD961	Appendix C, DED 0018

³⁸ For subpacket 6C2: Use the Tag that starts with 953.
For subpacket 6C4: Use the Tag that starts with 954.
For subpacket 6C5: Use the tag starting with 955 unless 'CDRL item submittal revision' (sequence 62) has a value of dash ('-'), in which case the tag starting with 954 should be used.

³⁹ Mandatory if the value of 'CDRL item submittal revision' (sequence 62) is not dash ('-'); otherwise, it this field must be blank.

⁴⁰ For subpacket 6C1: Use the Tag that starts with 962.
For subpackets 6C2 and 6C5: Use the Tag that starts with 963.

⁴¹ For subpacket 6C1: Use the Tag that starts with 962.
For subpackets 6C2 and 6C5: Use the Tag that starts with 964.

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Table DIP6-IV: Contract/contract data item data information subpackets

Seq #	Field name	Data Information Subpacket					Data Element Tag	For content and validation instructions, see
		6C1	6C2	6C3	6C4	6C5		
68	Contract event name			M			961.PRSNAM961	Appendix. C, DED 0156
69	Contract event start date			M			961.PRSSDT961	Appendix. C, DED 0082
70	Contract event completion date			M			961.PRSED961	Appendix. C, DED 0082
71	CDRL submittal type code				M	M	954.SUBTYP954	Appendix. C, DED 0150
72	Data submittal status					M	956.SUBSTA956	Appendix. C, DED 0021
73	Data submittal status code					M	956.STATDT956	Appendix. C, DED 0082
74	Data submittal submitter name					M	956.DISNAM956	Appendix. C, DED 0069
75 ⁴²	Customer final disposition suspense date					O	970.FSUSDT970	Appendix. C, DED 0082
76 ⁴²	Document source					M	965.SRCIDN010	The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069).
77 ⁴²	Document identifier					M	965.DOCIDN010	Appendix. C, DED 0122
78 ⁴²	Document type code					M	965.DOCTYP010	Appendix. C, DED 0004
79 ⁴²	Document revision					M	965.DOCREV011	Appendix. C, DED 0009
80 ⁴²	Document representation identifier					M	966.REPIDN800 or 861.REPIDN800 ⁴³	Appendix. C, DED 0207
81 ⁴²	Document representation revision level					M	966.REPREV801 or 861.REPREV801 ⁴¹	Appendix. C, DED 0208
82-122 ⁴²	Document representation					M	See Data Information Subpacket 10B	Data Information Packet 10

⁴² Repeat the series sequence 75 through 122 for each document included in the data item submittal.

⁴³ If this document is being submitted to the CDCA for the document or by the CDCA of the document, use the Tag that starts with 966; if it is being submitted by an application activity, use the Tag that starts with 861.

DIP6.2.4 Subpackets 6D1 and 6D2. Provide the information as required by Table DIP6-V.

DIP6.2.4.1 Content instructions for subpackets 6D1 through 6D8.

- a. Enter the identification of the specific contract and CDRL submittal under which this document is being reviewed.
- b. Enter the complete identification of the document revision being reviewed or dispositioned.
- c. Enter the identification of the document representation associated with the document revision identified in sequence 7-10 that is being reviewed or dispositioned.
- d. Enter the identification of the specific file which is part of the document representation identified in sequence 11-12 and for which comments are being submitted. If there are no comments against a file which is part of the document representation, do not include these fields.
- e. Enter the identification of the specific file which contains the reviewer's comments against the file identified in sequence 53-56.
- f. If this review or disposition is being performed by an application activity, enter the application activity.
- g. Enter the suspense date for technical reviewers to complete their review.

DIP6.2.4.2 Constants. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP6.2.4.2.1 Subpacket 6D1. Document representation release status code (811.REPSTA803) must be 'REVW'.

DIP6.2.4.2.2 Subpacket 6D2.

- a. If this review is part of the CDCA document approval process, the value of the document approval status code (857.SUBSTA852) must be 'SUBMIT' and the value of the document representation release status code (858.REPSTA803) must be 'RLSE'.
- b. If this review is part of the application activity document adoption process, the value of the document approval status code (867.AREVST861) must be 'SUBMIT' and the value of the document representation release status code (867.REPSTA803) must be 'RLSE'.

DIP6.2.4.2.3 Subpacket 6D3. The value of the data item submittal approval status code (968.SUBSTA956) must be 'SUBMIT'.

DIP6.2.4.2.4 Subpacket 6D5. If this disposition is part of the CDCA approval process, the value of the document representation status code (806.REPSTA803) must be 'RLSE'.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
1	Contract identifier			M			M			968.CONIDN950	DIP6.2.4.1.a and Appendix C, DED 0015
2	Contract modification			M			M			968.CONMOD951	DIP6.2.4.1.a and Appendix C, DED 0120
3	Contract exhibit identifier			M			M			968.CONEXH952	DIP6.2.4.1.a and Appendix C, DED 0007
4	CDRL sequence identifier			M			M			968.CDRLIN953	DIP6.2.4.1.a and Appendix C, DED 0005
5	Data submittal identifier			M			M			968.CDRLSB954	DIP6.2.4.1.a and Appendix C, DED 0020
6	Data submittal revision			M			M			968.SUBREV955	DIP6.2.4.1.a and Appendix C, DED 0099
7 ⁴⁴	Document source identifier	M	M	M	M	M	M	M	M	250.ECPCAG250 or 294.ECPCAG250 or 373.RFDCAG350 or 704.SRCCAG022 or 803.SRCIDN010 or 812.SRCIDN010 or 850.SRCIDN010 or 858.SRCIDN010 or 861.SRCIDN010 or 867.SRCIDN010 or 966.SRCIDN010 or 967.SRCIDN010 or 968.SRCIDN010 ⁴⁵	DIP6.2.4.1.b and Table B-I. The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or the author's name (Appendix C, DED 0069).

⁴⁴ For subpackets 6D3 and 6D6: Repeat the series of fields that identifies the specific document and document representation (sequence 7 through 52) in the data item submittal for each document included in the data item submittal package.

⁴⁵ For subpacket 6D1 (originating organization review prior to initial release of the document representation): Use the Tag that starts with 812.
For subpacket 6D2: (a) For CDCA review of the document representation as part of the document revision approval process, use the Tag that starts with 858.
(b) For Application Activity review of the document representation as part of the document revision adoption process, use the Tag that starts with 867.
For subpacket 6D3 (review of document by tasking activity in conjunction with data item submittal approval process): Use the Tag that starts with 968.
For subpacket 6D4: Use the Tag that starts with 803.
For subpacket 6D5: (a) For CDCA disposition of the document as part of the document revision approval process, use the Tag that starts with 850 except if the value of 'document type code' (sequence 9) is 'ECP', in which case, use the Tag that starts with 294, and the case where the value of sequence 9 is 'RFD', in which case use the Tag that starts with 373.
(b) For Application Activity disposition of the document as part of the document revision adoption process, use the Tag that starts with 861.
For subpacket 6D6: (a) For data item approval of a document for which the tasking activity is the CDCA of the document, use the Tag that starts with 966.
(b) For data item approval of a document for which the tasking activity is an application activity for the document, use the Tag that starts with 967.
For subpacket 6D7: Use the Tag that starts with 704.
For subpacket 6D8: Use the Tag that starts with 250.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
8 ⁴⁴	Document identifier	M	M	M	M	M	M	M	M	250.ECPNUM250 or 294.ECPNUM250 or 373.RFDNUM350 or 704.DOCNUM020 or 803.DOCIDN010 or 812.DOCIDN010 or 850.DOCIDN010 or 858.DOCIDN010 or 861.DOCIDN010 or 867.DOCIDN010 or 966.DOCIDN010 or 967.DOCIDN010 or 968.DOCIDN010 ⁴⁵	DIP6.2.4.1.b and Table B-I. The transmitted field must be 240 characters, left justified and consisting of either an alphanumeric identifier (Appendix C, DED 0003) or a title (Appendix C, DED 0008).
9 ⁴⁴	Document type code	M	M	M	M	M	M	M	M	250.ECPTYP250 or 294.ECPTYP250 or 373.RFDTYP350 or 704.DOCTYP010 or 803.DOCTYP010 or 812.DOCTYP010 or 850.DOCTYP010 or 858.DOCTYP010 or 861.DOCTYP010 or 867.DOCTYP010 or 966.DOCTYP010 or 967.DOCTYP010 or 968.DOCTYP010 ⁴⁵	DIP6.2.4.1.b, Table B-I, and Appendix C, DED 0004
10 ⁴⁴	Document revision	M	M	M	M	M	M	M	M	251.ECPREV251 or 294.ECPREV251 or 373.RFDREV351 or 704.DOCREV011 or 801.DOCREV011 or 850.DOCREV011 or 858.DOCREV011 or 861.DOCREV011 or 867.DOCREV011 or 956.DOCREV011 or 965.DOCREV011 ⁴⁶	DIP6.2.4.1.b. For Tags starting with 251, 294, or 373, see Appendix C, DED 0009. For all other tags, the transmitted field must be 8 characters, left justified and consist of either an alphanumeric revision (Appendix C, DED 0009), a date (Appendix C, DED 0082), a software version (Appendix C, DED 0062), or a technical manual change identifier (Appendix C, DED 0134), as appropriate for the document type.

⁴⁶ For subpackets 6D1 and 6D4: Use the Tag that starts with 801.

For subpacket 6D2: (a) For CDCA review of the document representation as part of the document revision approval process, use the Tag that starts with 858.

(b) For Application Activity review of the document representation as part of the document adoption process, use the Tag that starts with 867.

For subpacket 6D3: Use the Tag that starts with 965.

For subpacket 6D5: (a) For CDCA disposition of the document as part of the document revision approval process, use the Tag that starts with 850, except in the case where the value of 'document type code' (sequence 9) is 'ECP', in which case, the Tag that starts with 294 should be used, and the case where the value of sequence 9 is 'RFD', in which case the Tag that starts with 373 should be used.

(b) For Application Activity disposition of the document as part of the document adoption process, use the Tag that starts with 861.

For subpacket 6D6: Use the Tag that starts with 965.

For subpacket 6D7: Use the Tag that starts with 704.

For subpacket 6D8: Use the Tag that starts with 251.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
11 ⁴⁴	Document representation identifier	M	M	M	M	M	M			803.REPIDN800 or 806.REPIDN800 or 812.REPIDN800 or 858.REPIDN800 or 861.REPIDN800 or 867.REPIDN800 or 966.REPIDN800 or 968.REPIDN800 ⁴⁷	DIP6.2.4.1.c and Appendix C, DED 0207
12 ⁴⁴	Document representation revision	M	M	M	M	M	M			803.REPREV801 or 806.REPREV801 or 812.REPREV801 or 858.REPREV801 or 861.REPREV801 or 867.REPREV801 or 966.REPREV801 or 968.REPREV801 ⁴⁵	DIP6.2.4.1.c and Appendix C, DED 0208
13 ⁴⁴	Document representation release type code				M					806.RELTYP806	Appendix C, DED 0216
14 ⁴⁴	Document representation release restrictions				O					906.RELLIM806	Appendix C, DED 0217
15-52 ⁴⁴	Document representation	M	M							See Data Information Subpacket 10C	DIP6.2.4.1.c and Data Information Packet 10
53 ⁴⁸	File name	O ⁴⁹	O ⁴⁹	O ⁴⁹						812.RFILID812 or 858.RFILID858 or 867.RFILID867 or 968.RFILID968 ⁵⁰	DIP6.2.4.1.d and Appendix C, DED 0206

⁴⁷ For subpacket 6D1: Use the Tag that starts with 812.

For subpacket 6D2: (a) For CDCA review of the document representation as part of the document approval process, use the Tag that starts with 858.
(b) For Application activity review of the document as part of the document adoption process, use the Tag that starts with 867.

For subpacket 6D3: Use the Tag that starts with 968.

For subpacket 6D4: Use the Tag that starts with 803.

For subpacket 6D5: (a) For CDCA document approval process, use the Tag that starts with 806
(b) For Application activity document adoption process, use the Tag that starts with 861.

For subpacket 6D6: (a) If the tasking activity is the CDCA for the document, use the Tag that starts with 966
(b) If the tasking activity is an application activity, use the Tag that starts with 861.

⁴⁸ For subpacket 6D1, 6D2, and 6D3: Repeat the series of fields which identifies the document file being reviewed and the associated comment file as necessary for each file which is part of the document representation being reviewed (sequence 51 through 59). This series must be either all nonblank, or all blank.

⁴⁹ Must be blank if document representation identified in sequence 11 and 12 is paper, stable base material, punch cards, video tape, on-line database, etc.; must be nonblank for all types of digital representations.

⁵⁰ For subpacket 6D1: Use the Tag that starts with 812.

For subpacket 6D2: If the CDCA is reviewing the document representation as part of the document approval process, use the Tag that starts with 858; if an application activity is reviewing the document as part of the document adoption process, use the Tag that starts with 867.

For subpacket 6D3: Use the Tag that starts with 968.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
54 ⁴⁸	File originator name	O ⁵¹	O ⁵¹	O ⁵¹						812.RFILOR812 or 858.RFILOR858 or 867.RFILOR867 or 968.FILORG968 ⁵⁰	DIP6.2.4.1.d and Appendix C, DED 0069
55 ⁴⁸	File originator office	O ⁵¹	O ⁵¹	O ⁵¹						812.RFILAD912 or 858.RFILAD858 or 867.RFILAD867 or 968.RFILAD968 ⁵⁰	DIP6.2.4.1.d and Appendix C, DED 0081
56 ⁴⁸	File creation date & time	O ⁵¹	O ⁵¹	O ⁵¹						812.RFILD812 and 812.RFILTM812, or 858.RFILD858 and 858.RFILTM858, or 867.RFILD867 and 867.RFILTM867, or 968.RFILD968 and 968.RFILTM968 ⁵⁰	DIP6.2.4.1.d and Appendix C, DEDs 0082 and 0160
57 ⁴⁸	Comment file name	O ⁵¹	O ⁵¹	O ⁵¹						812.CFILID812 or 858.CFILID858 or 867.CFILID867 or 968.CFILID968 ⁵⁰	DIP6.2.4.1.e and Appendix C, DED 0206
58 ⁴⁸	Comment file originator name	O ⁵²	O ⁵²	O ⁵²						812.CFILOR812 or 858.CFILOR858 or 867.CFILOR867 or 968.CFILOR968 ⁵⁰	DIP6.2.4.1.e and Appendix C, DED 0069
59 ⁴⁸	Comment file originator office	O ⁵²	O ⁵²	O ⁵²⁵						812.CFILAD812 or 858.CFILAD858 or 867.CFILAD867 or 968.CFILAD968 ⁵⁰	DIP6.2.4.1.e and Appendix C, DED 0081
60 ⁴⁸	Comment file creation date & time	O	O	O						812.CFILD812 and 812.CFILTM812, or 858.CFILD858 and 858.CFILTM858, or 867.CFILD867 and 867.CFILTM867, or 968.CFILD968 and 968.CFILTM968 ⁵⁰	DIP6.2.4.1.e and Appendix C, DEDs 0082 and 0160
61 ⁴⁸	Comment file information	O	O	O						See Data Information Subpacket 9B	DIP6.2.4.1.e and Data Information Packet 9
62	Application activity identifier		O	O		O	O			861.APPACT033 or 867.APPACT033 or 967.APPACT033 ⁵³	DIP6.2.4.1.f and Appendix C, DED 0228

⁵¹ This is a paired field with sequence 53; either both must be blank, or both must be nonblank.

⁵² This is a paired field with sequence 57; either both must be blank, or both must be nonblank.

⁵³ For subpacket 6D2: Use the Tag that starts with 867.
For subpackets 6D3 and 6D6: Use the Tag that starts with 967.
For subpacket 6D4: Use the Tag that starts with 861.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
63	CCB convening enterprise identifier							M		704.ENTIDN002	The transmitted field must be 30 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002) or a company name (Appendix C, DED 0170).
64	Program/project/system name							M		704.PROGNM691	Appendix C, DED 0059
65	CCB name							M		704.CCBNAM700	Appendix C, DED 0151
66	Technical review--recommended disposition	M	M	M						811.TECHCD811 or 857.TECHCD857 or 866.TECHCD866 or 968.TECHCD968 ⁵⁴	Appendix C, DED 0021
67	Technical review (of document representation/ document) completion date				O	O	O			811.TECHDT811 or 857.TECHDT857 or 866.TECHDT866 or 968.TECHDT968 ⁵⁵	DIP6.2.4.1.g and Appendix C, DED 0082
68	Disposition status code				M	M	M	M	M	251.ECP27C251 or 294.REVSTA850 or 373.REVSTA850 or 704.CCBSTA704 or 803.REPSTA803 or 850.REVSTA850 or 861.AREVST861 or 956.SUBSTA956 ⁵⁶	Appendix C, DED 0021

- ⁵⁴ For subpacket 6D1: Use the Tag that starts with 811.
For subpacket 6D2: For CDCA review of the document representation as part of the document revision approval process, use the Tag that starts with 857; for Application Activity review of the document representation as part of the document revision adoption process, use the Tag that starts with 866.
For subpacket 6D3: Use the Tag that starts with 968.
- ⁵⁵ For subpacket 6D4: Use the Tag that starts with 811.
For subpacket 6D5: For CDCA review of the document representation as part of the document revision approval process, use the Tag that starts with 857; for Application Activity review of the document representation as part of the document revision adoption process, use the Tag that starts with 866.
For subpacket 6D6: Use the Tag that starts with 968.
- ⁵⁶ For subpacket 6D4: Use the Tag that starts with 803.
For subpacket 6D5: (a) If the disposition action is part of the CDCA document approval process, use the Tag that starts with 850 except if the value of 'document type code' (sequence 9) is 'ECP', in which case, the Tag that starts with 294 should be used, or if the value of sequence 9 is 'RFD', in which case the Tag that starts with 373 should be used.
(b) If the disposition action is part of the application activity document adoption process, use the Tag that starts with 861.
For subpacket 6D6: Use the Tag that starts with 956.
For subpacket 6D7: Use the Tag that starts with 704.
For subpacket 6D8: Use the Tag that starts with 251.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
69	Disposition status date		M		M	M	M	M	M	251.ECP27F251 or 294.STADAT850 or 373.STADAT850 or 704.CCBBAT704 or 803.RELDAT803 or 850.STADAT850 or 861.AREVD861 or 858.SUBDAT852 or 867.AREVD861 or 956.STATDT956 ⁵⁷	Appendix C, DED 0082
70	Name of person placing document representation/ document/data item in specified status				M	M	M		M	251.ECP27E251 or 803.DISPNM803 or 850.PERNAM850 or 861.PERNAM861 or 956.DISNAM956 ⁵⁸	Appendix C, DED 0069
71	Address of person placing document representation/ document/data item in specified status				M	M			M	251.ECP27D251 or 803.DIVADD942 or 850.DIVADD942 or 861.DIVADD942 ⁵⁹	Appendix C, DED 0081
72	Data item resubmittal requirement code						O ⁶⁰			972.RSUBRQ972	Appendix C, DED 0159
73	Source of data item resubmittal requirement						O ⁶¹			956.RSUBSR956	Appendix C, DED 0235

⁵⁷ For subpacket 6D2: For review by the CDCA, use the Tag that starts with 858; for review by an application activity, use the Tag that starts with 867.
For subpacket 6D4: Use the Tag that starts with 803.
For subpacket 6D5: (a) If the disposition action is part of the CDCA document approval process, use the Tag that starts with 850 except if the value of 'document type code' (sequence 9) is 'ECP', in which case, the Tag that starts with 294 should be used, or if the value of sequence 9 is 'RFD', in which case the Tag that starts with 373 should be used.
(b) If the disposition action is part of the application activity document adoption process, use the Tag that starts with 861.
For subpacket 6D6: For disposition of the data item as part of the data item approval process, use the Tag that starts with 956.
For subpacket 6D7: Use the Tag that starts with 704.
For subpacket 6D8: Use the Tag that starts with 251.

⁵⁸ For subpacket 6D4: Use the Tag that starts with 803.
For subpacket 6D5: If the disposition is part of the CDCA document approval process, use the Tag that starts with 850; if it is part of the application activity document adoption process, use the Tag that starts with 861.
For subpacket 6D6: Use the Tag that starts with 956.
For subpacket 6D8: Use the Tag that starts with 251.

⁵⁹ For subpacket 6D4: Use the Tag that starts with 803.
For subpacket 6D5: If the disposition is part of the CDCA document approval process, use the Tag that starts with 850; if it is part of the application activity document adoption process, use the Tag that starts with 861.
For subpacket 6D8: Use the Tag that starts with 251.

⁶⁰ Mandatory if the value of the data item approval status (sequence 68) is 'DISAPV'; otherwise, must be blank.

⁶¹ Mandatory if the value of 'Data submittal revision' (sequence 6) is not "-"; otherwise, must be blank.

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Table DIP6-V. Document/CDRL review, disposition, and direction data information subpackets

Seq #	Field name	Data Information Subpacket								Data Element Tag	For content and validation instructions, see
		6D1	6D2	6D3	6D4	6D5	6D6	6D7	6D8		
74	Process next status suspense date	O	O		O	O	M ⁶²			803.NSTATD803 or 850.NXSTDT850 or 861.NSTATD861 or 970.FSUSDT970 and 970.TSUSDT970, or 972.RSUBRQ972 and 972.RSUBDT972 ⁶³	Appendix C, DEDs 0082 and 0159
75	CCB minutes							O		704.CCBMIN	Appendix C, DED 0168 (See also: Data Information Subpacket 5A.)

⁶² The entry for 972.RSUBDT972 must be blank unless the value of 972.RSUBRQ972 is 'Y', in which case, it must be nonblank.

⁶³ For subpackets 6D1 and 6D4: Use the Tag that starts with 803.
For subpackets 6D2 and 6D5: If this disposition is part of the CDCA document approval process, use the Tag that starts with 850; if it is part of the application activity document adoption process, use the Tag that starts with 861.
For subpacket 6D6: If the value of the data item approval process status (sequence 66) is 'SUBMIT', use the Tag that starts with 970; if the value is 'DISAPV', use the Tag that starts with 972.

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DIP6.2.5 Subpackets 6E1, 6E2, and 6E3. Provide the information as required by Table DIP6-VI.

TABLE DIP6-VI. Baseline, CPIN, PAN data information subpackets

Seq #	Field name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		6E1	6E2	6E3		
1	Baseline type code	M			DIP6E1.1	Appendix C, DED 0098 ⁶⁴
2	Program/project/system name	O ⁶⁵			330.PROGNM691	Appendix C, DED 0059
3	Contract identifier	O ⁶⁶			332.CONIDN950	Appendix C, DED 0015
4	Contract modification	O ⁶⁶			332.CONMOD951	Appendix C, DED 0120
5	Configuration item identifier	O ⁶⁷			331.CIIDEN695	Appendix C, DED 0111
6	Product baseline top-level document	O ⁶⁸			331.PBLDOC331 or 332.PBLDOC331 ⁶⁹	Appendix C, DED 0124
7	Document/software source	O ⁷⁰	O ⁷¹	M	100.DESGAG100 or 194.SWSORC170 or 330.SRCIDN010 or 332.SRCIDN010 or 671.ECPCAG250 or 672.RFDCAG350 ⁷²	For Tags that start with 100, 671, or 672: Appendix C, DED 0001. For all other Tags: the transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or an author's name (Appendix C, DED 0069).

⁶⁴ Enter the code for the type of baseline being addressed. This element is not entered into the DOD CM AIS anywhere as a result of this data information subpacket, but is required to validate the completeness of the subpacket and to determine what fields are to be populated with the other information provided in the subpacket.

⁶⁵ Mandatory if the value of 'Baseline type code' (sequence 1) is 'T'; must be blank for all other values of 'Baseline type code'.

⁶⁶ Mandatory if the value of 'Baseline type code' (sequence 1) is 'C'; must be blank for all other values of 'Baseline type code'.

⁶⁷ Mandatory if the value of 'Baseline type code' (sequence 1) is 'P'; mandatory if the value of the 'Baseline type code' is 'C' and the value of 'Product baseline top-level document' (sequence 6) is nonblank; must be blank for all other cases.

⁶⁸ Mandatory if the value of 'Baseline type code' (sequence 1) is 'P'; optional if the value of 'Baseline type code' (sequence 1) is 'C'; must be blank for all other values of 'Baseline type code'.

⁶⁹ If the value of 'Baseline type code' (sequence 1) is 'P', use the Tag that starts with 331; if the value is 'C', use the Tag that starts with 332.

⁷⁰ Must be blank if the value of 'Baseline type code' (sequence 1) is 'P'; mandatory for all other values of 'Baseline type code'.

⁷¹ Mandatory if the value of the software-product-united-states-air-force--assigned-applicability-code is 'A'; must be blank for all other values of the software-product-united-states-air-force--assigned-applicability-code. (The software-product-united-states-air-force--assigned-applicability-code is embedded in the CPIN [sequence 11]; see Appendix C, DEDs 0236 and 0237.)

⁷² For subpacket 6E1: (a) If the value of the 'Baseline type code' (sequence 1) is 'A' or 'F', use the Tag that starts with 100.
(b) If the value of the 'Baseline type code' (sequence 1) is 'C', use the Tag that starts with 332.
(c) If the value of the 'Baseline type code' (sequence 1) is 'T', use the Tag that starts with 330.

For subpacket 6E2: Use the Tag that starts with 194.

For subpacket 6E3: If the value of 'Document/media type code' (sequence 9) is 'ECP', use the Tag that starts with 250; if it is 'RFD', use the Tag that starts with 350.

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TABLE DIP6-VI. Baseline, CPIN, PAN data information subpackets

Seq #	Field name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		6E1	6E2	6E3		
8	Document/software identifier	O ⁷⁰	O ⁷¹	M	100.DOCNUM020 or 194.SWIDEN170 or 330.DOCIDN010 or 332.DOCIDN010 or 671.ECPNUM250 or 672.RFDNUM350 ⁷²	For Tag 194.SWIDEN170: the transmitted field must be 248 characters, left justified and consisting of either a software alphanumeric identifier (Appendix C, DED 0088), a part number (Appendix C, DED 0024), or a software product identifier (Appendix C, DED 0262). For all other Tags: Appendix C, DED 0003.
9	Document/media type code	O ⁷⁰	O ⁷¹	M	100.DOCTYP010 or 194.MEDTYP194 or 330.DOCTYP010 or 332.DOCTYP010 or 671.ECPTYP250 or 672.RFDTYP350 ⁷²	Appendix C, DEDs 0004 or 0238
10	Document revision	O ⁷³			332.DOCREV011	The transmitted field must be 8 characters, left justified and consist of either an alphanumeric revision (Appendix C, DED 0009), a date (Appendix C, DED 0082), or a software version (Appendix C, DED 0062), as appropriate for the document type
11	CPIN or PAN		M	M	190.CPINNO190 or 670.PANNUM670 ⁷⁴	Appendix C, DEDs 0178 or 0237
12	PAN year of issue			M	670.YEARNO670	Appendix C, DED 0219
13	First component CPIN		O ⁷⁵		193.COMPNO193	Appendix C, DED 0237
14	Second component CPIN		O ⁷⁵		193.COMPNO193	Appendix C, DED 0237

DIP6.2.5.1 Constants for subpackets 6E1 through 6E3. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CSA database, but have the constant value indicated. Because they have constant values, they do not have to be transmitted as part of the information subpacket.

DIP6.2.5.1.1 Subpacket 6E1.

- a. If the value of 'Baseline type code' (sequence 1) is 'A', the value of 100.ABLFLG100 is 'Y'; otherwise it is 'N'.

⁷³ Mandatory if the value of 'Baseline type code' (sequence 1) is 'C'; must be blank for all other values of 'Baseline type code'.

⁷⁴ For subpacket 6E2: Use the Tag that starts with 190.
For subpacket 6E3: Use the Tag that starts with 670.

⁷⁵ Mandatory if the value of software-product-united-states-air-force--assigned-type-code is 'C' or 'D'; must be blank for all other values of the software-product-united-states-air-force--assigned-type-code. (The software-product-united-states-air-force--assigned-type-code is embedded in the CPIN (sequence 11); see Appendix C, DEDs 0188 and 0237.)

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b. If the value of 'Baseline type code' (sequence 1) is 'F', the value of 100.FBLFLG100 is 'Y'; otherwise it is 'N'.

DIP6.2.5.1.2 Subpacket 6E3. The value of the 'Document/media type code' (sequence 9) is also entered in 670.DOCTYP670.

DIP6.2.6 Subpackets 6F1 through 6F5. Provide the information as required by Table DIP6-VII.

Table DIP6-VII. Transfer of CDCA/document custodian and changes to AA/GLAA

Seq #	Field Name	Data Information Subpacket				Data Element Tag	For content and validation instructions, see
		6F1	6F2	6F3	6F4		
1	Document type code	M	M	M	M	010.DOCTYP010 or 033.DOCTYP010 ⁷⁶	Table B-I, and Appendix C, DED 0004
2	Document source	M	M	M	M	010.SRCIDN010 or 033.SRCIDN010 ⁷⁷	Table B-I. The transmitted field must be 36 characters, left justified, and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170) or an author's name (Appendix C, DED 0069).
3	Document identifier	M	M	M	M	010.DOCIDN010 or 033.DOCIDN010 ⁷⁷	Table B-I, and Appendix C, DED 0122
4	Document revision level	M	M	M		011.DOCREV011	Appendix C, DED 0009
5	Current CDCA	M	M	M	M	010.CCCENT010	DIP6.2.6.1.a and Appendix C, DED 0239
6	New CDCA	M				010.CCCENT010	DIP6.2.6.1.a and Appendix C, DED 0239
7	CDCA effective date	M				010.CCCADT010	DIP6.2.6.1.b and Appendix C, DED 0082
8	Current document/software custodian	M		M		011.CUSORG011	DIP6.2.6.1.c. The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or a person's name (Appendix C, DED 0069).
9	New document/software custodian			M		011.CUSORG011	DIP6.2.6.1.c. The transmitted field must be 36 characters, left justified and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170), or a person's name (Appendix C, DED 0069).
10	Add/Change/Delete action				M	DIP6F4.13	DIP6.2.6.1.d
11	Application Activity identifier				M	033.APPACT033	Appendix C, DED 0228

⁷⁶ For subpackets 6F1, 6F2, and 6F3: Use the Tag that starts with 010.
For subpacket 6F4: Use the Tag that starts with 033.

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Table DIP6-VII. Transfer of CDCA/document custodian and changes to AA/GLAA

Seq #	Field Name	Data Information Subpacket				Data Element Tag	For content and validation instructions, see
		6F1	6F2	6F3	6F4		
12	Document revision status code	M		M		850.REVSTA850	Appendix C, DED 0021
13	Document revision status date	M		M		850.STADAT850	Appendix C, DED 0082
14-51 ⁷⁷	Document representation subpacket	M	M	M		See Data Information Subpacket 10A	Data Information Packet 10
52-85	Document miscellaneous file subpacket	O ⁷⁸				See Data Information Subpacket 9A	Data Information Packet 9

DIP6.2.6.1 Content instructions for Subpacket 6F1 through 6F3.

- a. For subpackets 6F1 through 6F3, the current CDCA of the document is verified. If it matches, the subpacket 6F1 updates the current CDCA of the document.
- b. For subpacket 6F1, enter the date that the new CDCA assumes responsibility for the document; for subpacket 6F4, enter the date the document number was assigned.
- c. The current document/software custodian is validated before it is updated with the new document/software custodian.
- d. This element indicates the type of action being reported by this subpacket submittal. The valid entries are:
 - (1) 'AA' Add a new organization as an Application Activity for the specified document.
 - (2) 'AB' Add a new organization as an Application Activity for the specified document and identify that AA as the GLAA.
 - (3) 'AG' Designate an existing Application Activity as the GLAA.
 - (4) 'DA' Delete an Application Activity from the list of Application Activities for the specified document.
 - (5) 'DG' Delete the GLAA responsibility from the Application Activity currently assigned this responsibility.

DIP6.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

⁷⁷ Repeat this sequence number as necessary to address all affected document representations.

⁷⁸ Must be blank unless the value of 'document type code' (sequence 1) is 'ECP'.

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Engineering Parts List

DIP7.1. **Purpose.** Includes the contents of an engineering parts list (regardless of whether it is an integral part of a drawing, or a separate parts list drawing). It can also be used to create an engineering "structure" if component parts/materials/software/documents are called out on the face of the drawing without a parts list; however, alternate parts/material/software will not be matched to preferred parts/material/software unless they sequentially follow the preferred parts/material/software.

DIP7.1.1 **Subpackets.** There are two subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
7A	Contents of integral parts lists or separate parts list drawings
7B	Proposed changes to the contents of integral parts list or separate parts list drawings

DIP7.2. **Content of data information subpackets.** The data information subpackets define the elements and documents/files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, in the column labeled "M/O", the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the various elements shall be provided in the order shown in Table DIP10-I, except that optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields or at the beginning or end of this data subpacket. The last column in the table contains a reference to the contents of the data element.

TABLE DIP7-I. Engineering parts list

Seq #	Field Name	M/O	Data Element Tag		For content and validation instructions, see
			Subpacket 7A	Subpacket 7B	
1	Design CAGE code	M ¹	²	302.DESCAG050	DIP7.2.1.a and Appendix C, DED 0001
2	Drawing number	M ¹	²	302.DWGNUM050	DIP7.2.1.a and Appendix C, DED 0003
3	Document type code	M ¹	²	302.DOCTYP010	DIP7.2.1.a, DIP7.2.1.b, and Appendix C, DED 0004
4	Document revision	M ¹	²	302.DOCREV011	DIP7.2.1.a and Appendix C, DED 0009
5 ³	Find number	M	224.FINDID219	315.FINDID315	DIP7.2.1.c and Appendix C, DED 0027
6 ³	Type of change to find number	O ¹		315.CHGTYP315	DIP7.2.1.d and Appendix C, DED 0261

¹ Only applies to Subpacket 7B.

² The value of this field in the Data Information Subpacket 1A which invoked this data subpacket should be used. (See also: DIP7.2.2.3.)

³ For subpacket 7A, repeat the series of fields sequence 5 through 25 for each find number in the parts list. For subpacket 7B, repeat the series of fields sequence 5 through 25 for each find number in the parts list for which there is a proposed change.

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TABLE DIP7-I. Engineering parts list

Seq #	Field Name	M/O	Data Element Tag		For content and validation instructions, see
			Subpacket 7A	Subpacket 7B	
7 ^{3,4}	CI nomenclature	O	208.CINOMN690	323.CINOMEN690	DIP7.2.1.e and Appendix C, DED 0047
8 ^{3,4}	Reference Designator	O	208.REFDES208	323.REFDES323	DIP7.2.1.f and Appendix C, DED 0055
9 ^{3,4}	Type of change to reference designator	O ^{1,5}		323.CHGTYP323	DIP7.2.1.g and Appendix C, DED 262
10 ^{3,6}	Referenced drawing note number	O	226.NOTNUM080	326.NOTNUM325	Appendix C, DED 0251
11 ^{3,6}	Type of change to note number-find number correlation	O ^{1,7}		326.CHGTYP326	Appendix C, DED 0261
12 ^{3,8}	Special condition code	O	227.SPNOTE227	324.SPNOTE324	Appendix C, DED 0257
13 ^{3,8}	Type of change to special condition code	O ^{1,9}		324.CHGTYP324	Appendix C, DED 0261
14 ^{3,10}	Parts list entry sequence number	M	224.PLSEQN224	316.PLSEQN316	DIP7.2.1.h and Appendix C, DED 0259
15 ^{3,10}	Primary/Alternate indicator	M	224.ALTF LG224	316.ALTF LG316	DIP7.2.1.i and Appendix C, DED 0258
16 ^{3,10}	Component type code	M	224.COMPTY224	316.COMPTY316	Appendix C, DED 0241
17 ^{3,10}	Type of change to parts list line entry	M ¹		316.CHGTYP316	DIP7.2.1.j and Appendix C, DED 0260
18 ^{3,10}	Component design/source enterprise identifier	M	220.DESENT210 or 221.DESENT200 or 222.SWSORC170 or 223.SRCIDN010 ¹¹	319.DESENT210 or 320.DESENT200 or 321.SWSORC170 or 322.SRCIDN010 ¹²	DIP7.2.1.k
19 ^{3,10}	Component part/material/software/document identifier	M	220.PARNUM210 or 221.MATGID200 or 222.SWIDEN170 or 223.DOCIDN010 ¹¹	319.PARNUM210 or 320.MATGID200 or 321.SWIDEN170 or 322.DOCIDN010 ¹²	DIP7.2.1.k

- ⁴ The fields 'CI nomenclature' and 'Reference Designator' (sequence 7 and 8) must both be blank, or both be nonblank. Repeat this series as necessary to identify all the reference designator associated with this find number (sequence 5).
- ⁵ Must be blank if 'Reference designator' (sequence 8) is blank; must be nonblank if 'Reference designator' is nonblank.
- ⁶ Repeat the series of fields sequence 10 and 11 as necessary to identify all the note numbers associated with this find number.
- ⁷ Must be blank if 'Referenced drawing note number' (sequence 10) is blank; must be nonblank if 'Referenced drawing note number' is nonblank.
- ⁸ Repeat the series of fields sequence 12 and 13 as necessary to identify all the special conditions associated with this find number.
- ⁹ Must be blank if 'Special condition code' (sequence 12) is blank; must be nonblank if 'Special condition code' is nonblank.
- ¹⁰ The series of fields sequence 14 through 25 represent the 'row' of the parts list. Repeat this series as necessary to address each line entry associated with this find number.
- ¹¹ If the value of the 'Component type code' (sequence 16) is 'P', use the Tag that starts with 220; if it is 'M', use the Tag that starts with 221; if it is 'S', use the Tag that starts with 222; if it is 'D', use the Tag that starts with 223.
- ¹² If the value of the 'Component type code' (sequence 16) is 'P', use the Tag that starts with 319; if it is 'M', use the Tag that starts with 320; if it is 'S', use the Tag that starts with 321; if it is 'D', use the Tag that starts with 322.

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TABLE DIP7-I. Engineering parts list

Seq #	Field Name	M/O	Data Element Tag		For content and validation instructions, see
			Subpacket 7A	Subpacket 7B	
20 ^{3,10}	Component material identification parameter list	O ¹³	221.MATIDN200	320.MATIDN200	DIP7.2.1.k
21 ^{3,10}	Component document type code	O ¹⁴	223.DOCTYP010	322.DOCTYP010	DIP7.2.1.k
22 ^{3,10,15}	"Assembly" part number (including dash number)	M	225.PARNUM210	318.PARNUM317	DIP7.2.1.l and Appendix C, DED 0024
23 ^{3,10,15}	Component quantity	O ¹⁶	225.QUANTITY225	318.QUANTITY318	Appendix C, DED 0053
24 ^{3,10,15}	Component unit of measure	O ¹⁷	225.UOMCOD225	318.UOMCOD318	Appendix C, DED 0054
25 ^{3,10,15}	Type of change to assembly	M ¹		318.CHGTYP318	DIP7.2.1.m and Appendix C, DED 0260

DIP7.2.1 Content instructions.

- a. Enter the identification of the engineering drawing on which this parts list appears.
- b. Enter either 'DWG' (for an integral parts list) or 'PL' (for a separate parts list drawing).
- c. For graphic drawings which call out the component parts/materials/software/documents, reference designator, notes, etc. on the face of the drawing instead of using a parts list, use '0' as the find number.
- d. If this is a proposed new find number, enter 'A'; if this is a proposed deletion of the find number, enter 'D'. If it is neither an addition or deletion, enter 'N'.
- e. Enter the CI nomenclature of the item on which the reference designator in sequence 8 is assigned.
- f. Enter the complete reference designator for this find.
- g. If this is a proposed new reference designator for this find number, enter 'A'. If this is a proposed deletion this reference designator from this find number, enter 'D'. If this is a change to a reference designator currently associated with this find number, enter 'C'.
- h. The parts list entry sequence number is an arbitrary number assigned to indicate the preferred order of presentation of component parts/materials/software/documents when there are more than one component part/material/software/document associated with a given find number, as is the case with alternate parts.

¹³ Mandatory if the value of 'Component type code' (sequence 16) is 'M'; must be blank in all other cases.

¹⁴ Mandatory if the value of 'Component type code' (sequence 16) is 'D'; must be blank in all other cases.

¹⁵ The series of fields 'Assembly part number', 'Component quantity', and 'Unit of measure' (sequence 22 through 25) represent the 'quantity column' (or, for tabulated assemblies, the 'quantity columns') in the parts list. Repeat this series as necessary to address all quantity column(s) on the parts list.

¹⁶ If the 'Component type code' (sequence 16) is 'S' or 'D', this field must be blank. It is mandatory for all other values of 'Component type code'.

¹⁷ If the 'Component quantity' (sequence 23) is blank or has a value of 0, this field must be blank; this field is mandatory for all nonzero, nonblank values of 'Component quantity'.

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- i. Indicate whether this parts list entry sequence number (sequence 10) is the primary or an alternate item for the parent find number (sequence 5). For each find number, there can be only one parts list entry sequence number which has a primary/alternate indicator with a value of 'P'.
- j. If this is a proposed new line entry in the parts list for this find number, enter 'A'. If this is a proposed deletion of this line entry for this find number from the parts list, enter 'D'. If this is a change to the 'Primary/alternate indicator' or 'Component type code' (sequence 14 and 15), enter 'C'. If it is none of the above, enter 'N'.
- k. Enter the identity of the component part (design source and part number), component material (design source, material identifier and material identification parameters), component software (design source and software identifier) or component document (source, identifier, and document type) which is associated with this find and parts list entry sequence number. See Table DIP7-II for guidance on appropriate DEDs.

TABLE DIP7-II. Reference DED list for component item identification

Field	Condition(s)	See
Component design/source enterprise identifier (Table DIP7-I, Sequence 18)	is a CAGE code	Appendix C, DED 0001
	is a Company name	Appendix C, DED 0170
	is an Organization acronym	Appendix C, DED 0002
	is an Author's name (use only with component document)	Appendix C, DED 0069
Component part identifier (Table DIP7-I, Sequence 19)	(use only with component part)	Appendix C, DED 0024
Component material identifier (Table DIP7-I, Sequence 19)	(use only with component material)	Appendix C, DED 0092
Component Material identification parameter list (Table DIP7-I, Sequence 20)	(use only with component material)	Appendix C, DED 0038
Component software identifier ¹⁸ (Table DIP7-I, Sequence 19)	using the software release identification method	Appendix C, DED 0262
	using the software part number identification method (use only with a component design/source enterprise identifier which is either a CAGE code or a company name)	Appendix C, DED 0024
	using the software dash number identification method	Appendix C, DED 0088
Component document identifier (Table DIP7-I, Sequence 19)	alphanumeric	Table B-I and Appendix C, DED 0003
	title	Table B-I and Appendix C, DED 0008
Component document type code (Table DIP7-I, Sequence 21)	(use only with component documents)	Table B-I and Appendix C, DED 0004

- l. Enter the complete part number (root number and suffix [dash] number, if any) which is defined by this parts list (or, in the case of a tabulated assembly parts list, this column of the parts list).
- m. If this is a proposed new assembly part number (a new column in a tabulated assembly parts list), enter 'A'. If this assembly part number that is being proposed to be deleted from the drawing, enter 'D'. If this is a proposed change to the component quantity or unit of measure, enter 'C'.

¹⁸ For a discussion of the various software identification methods supported, see Appendix B, B.5.4.

DIP7.2.2 Assumptions.

- a. This data package assumes that all part numbers (both assembly and component) and all component materials which are cited have been already established in the CM AIS by use of the appropriate Data Information Subpacket 3.
- b. It assumes that all documents which are cited have been already established in the CM AIS by use of the appropriate Data Information Subpacket 1 or 2.
- c. It assumes that all software which is cited as component software, and all cited notes have been already established in the CM AIS by use of the appropriate Data Information Subpacket 1.
- d. It assumes that the CI nomenclature cited has been already established in the CM AIS by use of the appropriate Data Information Subpacket 6.

DIP7.2.2.3. Constants and defaults. The following fields associated with the subpackets indicated are necessary to properly populate the DOD CM AIS database, but either have the constant value indicated, or are transmitted as part of the invoking data information subpacket. Because of this, they do not have to be transmitted as part of this information subpacket.

DIP7.2.2.3.1 Subpacket 7A. The value of the 'Design CAGE code', 'Drawing number', 'Document type code', and 'Document revision' (sequence 1 through 4 in this subpacket) are the same as the values of 'Document source', 'Document identifier', 'Document type code', and 'Document revision level' (sequence 3, 5, 1, and 6, respectively, in data information subpacket 1A). This information is used to populate fields 224.DESCAG050, 224.ASSYNO224, 224.DOCTYP010, and 224.DOCREV051, respectively.

DIP7.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

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Data Information Packet 8

Basic Document Protection

DIP8.1. Purpose. There is one series of data elements which is basic to all information packets concerning documents or files. This series is referred to the "Basic document protection information packet". There are two subpackets, 8A is for security information for documents and 8B is for security information for files. Both are shown in Table DIP8-I. Other information packets will refer to this set of elements instead of repeating them.

DIP8.1.1 Subpackets. There are two subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
8A	Basic Document Protection
8B	Basic File Protection

DIP8.2. Content of Information Packet. The information packet defines the elements to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, in the column labeled "M/O", the inclusion of the element in the information packet is either mandatory (M) or optional (O). For each packet, the various elements shall be provided in the order shown in Table DIP10-I, except that optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields or at the beginning or end of this data packet. The last column in the table contains a reference to the contents of the data element.

TABLE DIP8-I. Basic document protection

Seq #	Field Name	M/O	Data Element Tag		For content and validation instructions, see
			Subpacket 8A	Subpacket 8B	
1	Government security class	M	011.SECCOD011	900.SECCOD900	Appendix C, DED 0010
2 ¹	Access restrictions	O	019.ACCCOD018	901.ACCCOD018	Appendix C, DED 0085
3	Classified by	O ²	011.SECAUT011	900.SECAUT900	Appendix C, DED 0155
4	Classified on	O ²	011.SCLSDT011	900.SCLSDT900	DIP8.2.1.a and Appendix C, DED 0082
5	Downgrade to	O ^{3,4}	011.SDWNCD011	900.SDWNCD900	Appendix C, DED 0010
6	Downgrade on	O ⁴	011.SDWNDT011 or 011.SDWNEV011 ⁵	900.SDWNDT900 or 900.SDWNEV900 ⁶	DIP8.2.1.b and Appendix C, DEDs 0082 and 0156

¹ Repeat this field as necessary.

² Mandatory if the value of 'Government security class' is not "U" or "FOUO"; must be blank if value of 'Government security class' is "U" or "FOUO"

³ Must be blank if the value of 'Government security class' is "U", "FOUO", "C", "NC", or "NR"

⁴ 'Downgrade on' and 'Downgrade to' are paired fields; both must be blank, or both must be nonblank

⁵ Use 011.SDWNDT011 if the downgrade is by date; use 011.SDWNEV011 if the downgrade is by event.

⁶ Use 900.SDWNDT900 if the downgrade is by date; use 900.SDWNEV900 if the downgrade is by event.

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TABLE DIP8-I. Basic document protection

Seq #	Field Name	M/O	Data Element Tag		For content and validation instructions, see
			Subpacket 8A	Subpacket 8B	
7	Declassify on	O ²	011.SDCLDT011 or 011.SDCLEV011 ⁷	900.SDCLDT900 or 900.SDCLEV900 ⁸	DIP8.2.1.c and Appendix C, DEDs 0082 and 0156
8	Copyright type	M	011.CPYCOD013	900.CPYCOD013	Appendix C, DED 0012
9	Copyright by	O ⁹	011.CPYENT011	900.CPYENT900	DIP8.2.1.d
10	Distribution statement code	M	011.DISCOD014	900.DISCOD014	Appendix C, DED 0014
11	Distribution statement date	O ¹⁰	011.DISDAT011	900.DISDAT900	DIP8.2.1.e and Appendix C, DED 0082
12	Distribution controlling organization & office	O ¹⁰	011.DISENT011 & 011.DISOFF011	900.DISENT900 & 900.DISOFF900	DIP8.2.1.f and Appendix C, DEDs 0044 and 0052
13	Export Control restriction code	M	011.EXPCOD015	900.EXPCOD015	Appendix C, DED 0079
14	Government Rights in Technical Data code	M	011.RGTCOD016	900.RGTCOD016	Appendix C, DED 0022
15	Data Rights contract number	O ¹¹	011.CONIDN950	900.CONIDN950	DIP8.2.1.g
16	Data rights expiration	O ⁹	011.RGTEXP011	900.RGTEXP900	DIP8.2.1.h and Appendix C, DED 0082
17	Company Proprietary Rights code	M ¹²	011.PRPCOD017	900.PRPCOD017	Appendix C, DED 0084
18	Company name	O ¹³	011.PRPCOM011	900.PRPCOM900	DIP8.2.1.i and Appendix C, DED 0170

DIP8.2.1 Content Instructions.

- a. Enter the classification date of the document or file.
- b. Enter the date or event which will cause the security classification of the document or file to be downgraded.
- c. Enter the date or event which will cause the document or file to be declassified.
- d. If the document or file has been copyrighted, provide the name of the company holding the copyright.

⁷ Use 011.SDCLDT011 if the declassification is by date; use 011.SDCLEV011 if the declassification is by event.

⁸ Use 900.SDCLDT900 if the declassification is by date; use 900.SDCLEV900 if the declassification is by event.

⁹ This field must be blank if the value of 'copyright type' is "N"; for all other values of 'copyright type', the value of this field must be nonblank.

¹⁰ This field must be blank if the value of 'Distribution statement code' is "A00" or "N00", and must be nonblank for all other values of 'Distribution statement code'

¹¹ This field must be blank if the value of 'Government data rights code' is "N" or "U". For all other values of 'Government data rights code', this field must be nonblank.

¹² If the value of 'Government data rights code' is not "N" or "U", then the value of this field must be "Y".

¹³ If the value of 'Company proprietary rights code' is "N" and the value of 'Government data right code' is "N" or "U", this field must be blank. For all other cases, this field must be nonblank.

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- e. Enter the distribution statement determination date.
- f. Enter the controlling enterprise and office associated with the distribution statement.
- g. Enter the contract number under which the data rights are granted to the Government.
- h. Enter the expiration date of the data rights granted to the Government
- i. Enter the name of the company which is claiming proprietary rights and granting (or withholding) Government rights in technical data and/or computer software.

DIP8.3. Validation. Values (or combinations of values) which are part of these packets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information packet will be rejected without action.

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Data Information Packet 9

Basic File

DIP9.1. **Purpose.** There is one series of data elements which is basic to all information packets concerning files. Other information packets will refer to this set of elements instead of repeating them.

DIP9.1.1 **Subpackets.** There are two subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
9A	Basic File Subpacket
9B	File Description Subpacket

DIP9.2. **Content of data information subpackets.** The information subpackets define the elements and files to be provided and correlates the information elements with the conceptual CSA AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the various elements shall be provided in the order shown in Table DIP10-I, except that optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields or at the beginning or end of this data subpacket. The last column in the table contains a reference to the contents of the data element.

TABLE DIP9-I. **Basic file**

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		9A	9B		
1	Filename	M		900.FILNAM900	Appendix C, DED 0211
2	File originator	M		900.FILORG900	Appendix C, DED 0069
3	File originator's address	M		900.FILADD900	Appendix C, DED 0081
4	File origination date and time	M		900.FILDAT900 and 900.FILTIM900	Appendix C, DEDs 0082 and 0160
5	File description	O	O	900.FILDES900	Appendix C, DED 0212
6	File type code	M	M	900.FILTYP900	Appendix C, DED 0210
7	File compression code	M	M	900.CMPCOD900	Appendix C, DED 0215
8	File compression method code	O ¹	O ¹	900.CMPMTH900	Appendix C, DED 0214
9	Application software source	O ²	O ²	900.SWSORC170	The transmitted field must be 36 characters, left justified, and consisting of either a CAGE code (Appendix C, DED 0001), an organization acronym (Appendix C, DED 0002), a company name (Appendix C, DED 0170) or an author's name (Appendix C, DED 0069).

¹ Mandatory if the value of 'file compression code' is "Y"; otherwise, must be blank.

² Mandatory if the value of 'file type code' is "PLANG".

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Data Information Packet 9

TABLE DIP9-I. **Basic file**

Seq #	Field Name	Data Information Subpacket		Data Element Tag	For content and validation instructions, see
		9A	9B		
10	Application software	O ²	O ²	900.SWIDEN170	The transmitted field must be 248 characters, left justified, and consisting of either a software alphanumeric identifier (Appendix C, DED 0088), a part number (Appendix C, DED 0024), or a software product identifier (Appendix C, DED 0262).
11	Application software location	O ³	O ³	903.APPLOC902	Appendix C, DED 0209, application-software-electronic-storage-place-identifier.
12	Application software launch script location	O ³	O ³	903.LAUNCH902	Appendix C, DED 0209, application-software-launch-script-electronic-storage-place-identifier.
13	Computer operating system type code	O ⁴	O ⁴	900.OPSYST900	Appendix C, DED 0213
14-31	Basic File Protection Subpacket	M	M	See Data Information Subpacket 8B	See Data Information Packet 8
32	File location	O ⁵	O ⁵	900.FILLOC900	Appendix C, DED 0209, document-file-image-electronic-storage-place-identifier.
33	File	O ⁶	O ⁶	Not applicable	This is the actual electronic file. (Note: DoD will enter it in their PDM system.)

DIP9.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.

³ Nonblank for file access via a CITIS if required by the CITIS; otherwise, blank.

⁴ Must be nonblank if 'File' is nonblank. Should be nonblank if information is required by CITIS.

⁵ Required if access to file being granted via a CITIS. If this is nonblank, then sequence 33 must be blank.

⁶ Required if access to file via CITIS is not being provided. If this is nonblank, sequence 32 must be blank. (Note: if this is nonblank, the DoD CSA AIS will generate the value for sequence 32 when this information is up-loaded to the DoD PDM.)

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Data Information Packet 10

Basic Document Representation

DIP10.1. **Purpose.** There is one series of data elements which is basic to all information packets concerning document representations. This series is referred to the "Basic document representation subpacket" and is shown in Table DIP10-I. Other information packets will refer to this set of elements instead of repeating them.

DIP10.1.1 **Subpackets.** There are two subpackets for this packet:

<u>Subpacket</u>	<u>Applicability</u>
10A	Basic document representation
10B	Document representation description
10C	Non-electronic document representation description

DIP10.2. **Content of information subpackets.** The information subpackets define the elements and files to be provided and correlates the information elements with the conceptual CM AIS database described in Appendices B and C. Within the table, the inclusion of the element in the information subpacket is either mandatory (M) or optional (O). For each subpacket, the various elements shall be provided in the order shown in Table DIP10-I, except that optional fields (denoted by O) for which data is not being submitted shall be skipped. Each element shall be preceded by the Data Element Tag as shown in the table. The full field size for the data element, as shown in Appendix C, shall be used and shall immediately follow the data element tag. No delimiters will be used between the fields or at the beginning or end of this data subpacket. The last column in the table contains a reference to the contents of the data element.

TABLE DIP10-I. Basic document representation

Seq #	Field Name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		10A	10B	10C		
1	Document representation identifier	M			800.REPIDN800	Appendix C, DED 0207
2	Document representation revision level	M			801.REPREV801	Appendix C, DED 0208
3	Document representation revision originator	M			801.REPORG801	DIP10.2.1.a
4	Document representation creation date	M	M	M	801.REPDAT801	DIP10.2.1.b
5 ¹	Filename	O ²	O ²		802.FILIDN900	Appendix C, DED 0211
6 ¹	File originator	O ³	O ³		802.FILORG900	Appendix C, DED 0069
7 ¹	File originator's address	O ³	O ³		802.FILADD900	Appendix C, DED 0081
8 ¹	File origination date and time	O ³	O ³		802.FILDAT900 and 802.FILTIM900	Appendix C, DEDs 0082 and 0160
9-36 ¹	File description subpacket	O ³	O ³	O ⁴	See Data Information Subpacket 9B	Data Information Packet 9

¹ This series of fields (sequence 5 through 36) should be repeated for each file associated with this revision of this document representation.

² Must be blank if the document representation is paper, stable-base material, punch-cards, video tape, on-line database, etc; must be nonblank for all types of digital representations.

³ This is a paired field with 'Filename'; either both must be blank, or both must be nonblank.

⁴ This is a paired field with 'Filename' in DIP6, Sequence 53; either both must be blank, or both must be nonblank.

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Data Information Packet 10

TABLE DIP10-I. **Basic document representation**

Seq #	Field Name	Data Information Subpacket			Data Element Tag	For content and validation instructions, see
		10A	10B	10C		
37	Document representation release status	M	M	M	803.REPSTA803	Appendix C, DED 0021
38	Document representation release status date	M	M	M	803.RELDAT803	Appendix C, DED 0082

DIP10.2.1 Content instructions.

- a. Enter the identity of the "author" of this revision of the document representation. This may be a name, a CAGE code, or an acronym for an organization (for example, ANSI, ISO, USAF). If the identity is a person, see Appendix C, DED 0069; if the identity is a CAGE code, see Appendix C, DED 0001; if the identity is a company name, see Appendix C, DED 0170; if the identity is an organization acronym, see Appendix C, DED 0002.
- b. Enter the creation date of this revision of the document representation. See also Appendix C, DED 0082.

DIP10.3. Validation. Values (or combinations of values) which are part of these subpackets and which are shown as inherited values in Appendix B, will be verified to exist in the appropriate tables. If a discrepancy exists, the parent table will not be updated and the information subpacket will be rejected without action.